

# Handbook 2011

## **Authoritative Handbook**

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This is the standard reference Handbook for 2011. It contains the final version of course, major and minor structures for the given academic year, and is published on 1 November 2010. Ancillary changes may take place after the Authoritative Handbook is generated (such as to unit offerings) and new courses may be offered; these will be reflected in the online Handbook (and thus appear in any print Handbook generated subsequently). Nonetheless, the Authoritative Handbook remains the reference point for the determination of matters relating to the degree regulations, academic progress, credit and exemptions etc.

**Murdoch University**

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Correct as at: 1 November 2010

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Registered Provider Code: 00125J

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<http://www.murdoch.edu.au/goto/DSP>

ISSN 0815-9068

Published by

Office of Student Life and Learning  
Murdoch University



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# About the University

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## THE MURDOCH JOURNEY

In the spring of 1975, Western Australia's second university was born.

When the late Sir Walter Murdoch was approached for the use of his name, he agreed on one condition: the university 'had better be a good one'. These encouraging words were sure to resonate through every corridor, research lab and lecture theatre of this fresh place for years to come. Six hundred and seventy two discoverers came on board, committing themselves to this new world of discovery. Little did they know their university was to develop into one of the most open learning environments in the world.

Today our staff and students come from all over the globe. Our flexible admissions policy allows us to wholeheartedly embrace students and staff from all walks of life. Our campuses are home to almost 18,000 students and more than 1,400 staff, including 5,000 overseas students from about 90 different countries. That's 20,000 different stories, backgrounds, pools of knowledge we can use to enrich our way of thinking.

This unique approach is perhaps one of the reasons why Murdoch University has received a five-star graduate satisfaction rating for 13 of the past 15 years. According to the national *2010 Good Universities Guide*, we are the only Australian university to do so. Satisfaction to us is a student who relishes the joy of learning, who carries into the world this passion for discovery. Satisfaction for our graduates is the opportunity to learn in this unique, free thinking environment.

Murdoch University also remains one of Australia's leading research hubs, ranking in the top nine on a per capita basis. More and more, industries are placing their trust, belief and money into our thinking, providing our researchers with the support they need to grapple with the world's issues. Our university hosts global-scale research projects across a variety of disciplines, including agriculture, water, contemporary Asia, veterinary biotechnology and bioinformatics, hydrometallurgy, ecosystem management and restoration, social justice, interactive media, and learning leadership and policy.

Our University is a place for free thinkers with a burning desire to discover. Our researchers tackle some of the greatest challenges facing Australia and the world in the 21st Century in fields as such water, renewable energy, agriculture and biotechnology and social justice. Murdoch strives to find solutions for tomorrow's world, inspiring future generations of discoverers to forge their way in their chosen careers.

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## OUR VISION

Murdoch University will be an innovative and enterprising university leading discovery for a better future.

### **Our Purpose and Intent**

Murdoch University will continue to be a comprehensive research-focused university, with high levels of scholarship informing quality teaching. Through demonstration of leadership in innovation and excellence, Murdoch will develop its students to be their best and its staff to achieve their potential, and contribute to a knowledge society where Australia's economic and cultural vitality are central. Achievement of this intent will be sustained by:

- Ensuring students can study flexible courses by flexible means in a supportive and engaging learning environment
- Developing graduates with skills and attributes which will enable them to participate successfully and effectively in society
- Focusing research endeavour into strategic research themes that provide for future strength and emphasis
- Enhancing Murdoch's culture of innovation
- Continuing to build the quality and reputation of the University

### **Our Values**

Murdoch's values are an intrinsic part of the University culture. These values give a sense of identity and a continuing context for all its activities:

- Equity and Social Justice
- Sustainability
- Global Responsibility
- Innovation and Entrepreneurship.

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## GOVERNANCE

The governing body of the University is the Senate. The Senate is predominantly a lay body with a total membership of 19, and is chaired by the Chancellor. The role of the Senate is to oversee the development and adoption of strategic initiatives, plans and key policies, and to monitor and review Murdoch's overall performance.

The Vice Chancellor is the chief executive officer and academic principal, and is responsible to the Senate for the University's management.

Academic Council is the senior academic body of the University. It determines academic policy, decides which courses of study will be offered, awards degrees and other qualifications, awards the University Medals, and institutes five-yearly reviews of teaching and research within each School. Membership of the Council is drawn widely from across the University, and includes elected representatives of academic and general staff, and students.

The Murdoch University Act provides for the Guild of Students which is 'an organised association for the furthering of the common interests of its members and shall be a recognised means of communicating between its members and the Senate'.

The University is organised into five academic Faculties:

- Arts and Education
- Creative Technologies and Media
- Health Sciences
- Law and Business
- Science, Engineering and Sustainability.

Each Faculty has a Faculty Dean who is responsible to the Vice Chancellor, through the Pro Vice Chancellor (Faculties), for the academic and managerial leadership of the Faculty.

A Faculty Committee is responsible for advising the Faculty Dean on areas including the Faculty's strategic plans and directions, new academic offerings, teaching and research resources and Faculty policies. The Committee is comprised of the Faculty Dean, the

Deans of Schools located in the Faculty, the Chair of the Faculty Learning and Teaching Committee, plus other members in an advisory role and members as occasionally co-opted.

Three administrative Divisions support the academic Faculties:

Academic Affairs  
Research and Development  
Student Services.

# Officers of the University

## Visitor

His Excellency the Governor of Western Australia

## Chancellor

Terry C. Budge, BEcon *Monash*, FAICD, FAIBF, FAIM

## Deputy Chancellor

Eva Skira, BA(Hons) *NSW*, MBA *Geneva*, SF Fin, FAICD, FAIM

## Vice Chancellor

Professor John V. Yovich, AM, BSc *Murd.*, BVMS(Hons) *Murd.*,  
DipLargeAnimalSurg *Guelph*, MS *ColoradoState*, PhD *ColoradoState*,  
Diplomate ACVS, MAICD

## Senior Deputy Vice Chancellor

Professor Gary R. Martin, BEd *E.Cowan*, MEd *E.Cowan*, MACE

## Deputy Vice Chancellor (Academic) (Acting)

Associate Professor Beverly Thiele, BA(Hons) *Flin.*, PhD *Murd.*

## Deputy Vice Chancellor (Research) (Acting)

Professor David Doepel, BSc *Murd.*

## Pro Vice Chancellor (Faculties)

Professor Rhonda Marriott, DipAppSc *W.Aust.I.T.*, BAppSc *Curtin*,  
MSc *Curtin*, PhD *Murd.*, RMHN, RN, RM, MRCNA, MCATSIN

## President, Academic Council

Associate Professor Beverly Thiele, BA(Hons) *Flin.*, PhD *Murd.*

# Support Services

## ABORIGINAL STUDENT SUPPORT

### Kulbardi Aboriginal Centre

'Kulbardi: Wings to Fly'

"Yorlkooliny Kulbardi Mia Nidja Noonookurt Nyinniny Kadadjiny Kowee Wallak" — Come here to the Kulbardi Aboriginal Centre. This is where you sit, learn, laugh and share.

The Kulbardi Aboriginal Centre was established at the Murdoch campus in 1988, at the Rockingham campus in 2005 and at the Peel campus in 2007. More than just student support, Kulbardi offers friendship and cultural strength in a warm and comfortable environment.

All of the Kulbardi locations house a student room where students can meet and relax. In addition, administration services provided include support, photocopier and computer facilities. The Murdoch campus also has tutorial and study rooms and a Nyungar resource library. Kulbardi is conveniently located near the Student Guild at the Murdoch campus and on the ground floor in the ACL building at the Rockingham campus. Kulbardi at Peel is located in the central foyer of the original Murdoch University Peel campus building.

One of Kulbardi's main objectives is to encourage increased participation in tertiary education by Indigenous students. Kulbardi provides educational pathways into both pre-tertiary and undergraduate studies. Kulbardi provides dedicated staff to assist, support and refer Aboriginal and Torres Strait Islander students with academic, cultural and personal concerns. Assistance with pre-admission, enrolment advice, and research and study skills is also available to intending and current students. The Centre is ultimately designed to foster student interaction, group solidarity and cultural support. Kulbardi's other purpose is to promote and teach Australian Indigenous Studies and Nyungar Cultural Studies to the undergraduate and postgraduate student population.

"May this Centre, and all who enter, be touched by the Nyungar spirit and feel part of preserving, enhancing and living our Aboriginal way of life. We welcome all students - from all backgrounds and cultures, Indigenous and non-Indigenous - to discover Kulbardi and explore Aboriginal culture and knowledge."

### Tutorial Assistance (ITAS)

Tutorial assistance is available to all Aboriginal and Torres Strait Islander students studying at Murdoch University. Via the Indigenous Tutorial Assistance Scheme (ITAS), Indigenous students can receive supplementary coaching and study help. The overall goal of ITAS is to assist Aboriginal and Torres Strait Islander students in maintaining consistent and progressive results throughout their studies. Funds for ITAS are provided by the Department of Education, Employment and Workplace Relations (DEEWR).

### Student Body (MAISA) and Guild Representation

All Indigenous students at Murdoch are represented by the Murdoch Aboriginal and Islander Student Association (MAISA), which is responsible for Indigenous student rights and facilitating regular social functions. An elected member of MAISA also represents the Indigenous student population on campus via the Murdoch Guild.

### Indigenous Commonwealth Scholarships

The Indigenous Commonwealth Scholarship program is an Australian Federal Government initiative that aims to provide assistance to Indigenous Australians who would like to access higher education, particularly those who need to relocate from rural and remote areas to access an approved higher education undergraduate or enabling course. There are several types of Indigenous Commonwealth Scholarship available with different eligibility criteria. For further information see:

<http://www.murdoch.edu.au/goto/Scholarships>

### Courses Offered

Enrolment into courses run through the Kulbardi Centre is available via two methods:

**Direct entry:** applicants gain entry through completing the Tertiary Entrance Examination (TEE), sitting the Special Tertiary Admissions Test (STAT) for mature-age entrants, or previous tertiary study.

**Alternative entry:** in addition to the TEE and mature-aged entry the Kulbardi Aboriginal Centre encourages Indigenous people who may not have had an opportunity to complete formal schooling to apply for admission into tertiary study. At Kulbardi we provide alternative entry pathways that do not necessarily take into account your educational background.

The Kulbardi Aboriginal Tertiary Entrance Course (KATEC) is a one-year bridging course offering graduating students a certificate of completion and a pathway into undergraduate study at Murdoch. Each of the following pre-University courses runs for between two and four weeks at the beginning of the year:

Koora Kudidj ('Learn Before') Pre-Law Program

Kulbardi Wangkiny ('Magpie Talking') Pre-Media Program

For further information see the University Access Courses section of this Handbook.

### Units Offered

The Kulbardi Aboriginal Centre offers the units AIS177 Introduction to Nyungar Culture and AIS2721 Wanju Boodjah 'Welcome to Country' to all Murdoch University undergraduate students. Students undertaking these units have the unique opportunity to learn about the cultural practices of the Aboriginal people of the south-west as well as learning the spoken language of the Nyungar people. Students do not have to be Indigenous to study these units.

### Contact

Advice (including application forms) about applying for alternative entry via the Kulbardi Centre can be provided by the Kulbardi Student Support Coordinator.

Telephone (08) 9360 2128/6591

[kulbardi@murdoch.edu.au](mailto:kulbardi@murdoch.edu.au)

<http://www.murdoch.edu.au/goto/Kulbardi>

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## ALUMNI ASSOCIATION

Graduates of Murdoch University are automatically part of its growing worldwide Alumni network. To remain informed of all the alumni events, opportunities and benefits available after graduation, students are encouraged to view the Alumni website. Many Murdoch services can continue to be used following graduation, such as the Career & Employment Centre. There are also student mentoring opportunities, free campus parking, continued membership to the University Library and discounts at the University Bookshop and the Sports and Recreation Centre.

One of the most important things for students to do following graduation is to provide their new email and mailing address to the Alumni Relations Office. To do this, complete the Change of Details form on the Alumni website.

Many Murdoch Alumni find it incredibly rewarding to donate their time and expertise to help current students and give generously to the University Foundation's fundraising efforts. Visit the Alumni website to see the many different ways to give back to the University.

<http://www.murdoch.edu.au/goto/AlumniCareers>

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## BOOKSHOP

The Bookshop caters for students, staff and the general community.

The Murdoch campus Bookshop is located to the north of the Refectory building on the northern side of campus, and is accessible from South Street (park in car park 3 or 4). Business hours are 8.30am to 4.30pm, Monday to Friday.

Telephone (08) 9360 2540  
Facsimile (08) 9310 7365

The Rockingham campus Bookshop is located on Level 2 of the Administration/Common Teaching Building at the beginning of each semester: contact [bookshop@murdoch.edu.au](mailto:bookshop@murdoch.edu.au) for details.

Telephone (08) 9360 7048  
Facsimile (08) 9360 7096

Peel campus text books are sold from the administration and information reception at Peel campus at the beginning of each semester: contact the Bookshop email address for details. Outside of these periods, for textbook enquiries contact the Murdoch campus Bookshop.

[bookshop@murdoch.edu.au](mailto:bookshop@murdoch.edu.au)  
<http://www.murdoch.edu.au/goto/Bookshop>

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## CAREERS AND EMPLOYMENT

The Careers and Employment Centre assists Murdoch students and alumni to take an active role in their own career development. Located on Bush Court in the Refectory Building, the Careers and Employment Centre's resource library contains a variety of resources for researching potential employment markets as well as information on interview preparation, work experience, graduate and vacation employment and how to write and prepare resumes and selection criteria. Professional Career Advisors are also available to help students and alumni with all career and employment-related queries, as well as presenting a number of

job-preparation workshops throughout the year.

The Careers and Employment Centre also manages a web-based program *CareerConnect*. All Murdoch University students and alumni are encouraged to register with *CareerConnect* to access up-to-date information on job vacancies and employment-related events.

<http://ace.murdoch.edu.au/careerhub/>

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## CHAPLAINCY

The University provides a Chaplaincy service to both students and staff with guidance and counselling of a spiritual or personal nature being available.

For current contact details, location and worship times, visit:

<http://www.murdoch.edu.au/goto/Chaplaincy-0>

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## CHILD CARE

Murdoch campus has a welcoming, professionally-run child care centre that is available for use by the children of students, staff and community members. At any one time it provides care for 48 children whose ages range from six months to six years.

Places are available on a full-time, part-time or casual basis. Because of demand, casual bookings are not available for children under three years of age; limited casual bookings are available for three to six years. Bookings are essential.

Telephone: (08) 9360 2610  
<http://www.murdoch.edu.au/goto/CCC>

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## COUNSELLING

The University offers a free confidential counselling service to all students enrolled internally at the University. Experienced, professional counsellors are available to assist with personal, relationship and study-related problems.

Students bring a variety of problems to counselling. These vary from stress and mood concerns to personal issues like homesickness, shyness, and relationship and family issues. Alcohol and substance use can present challenges for students and help is available through the Counselling Service. Support is also provided in association with the Student Learning Centre.

The Counselling Service provides help in one to one settings and also in safe and friendly group workshops. These group workshops usually involve providing help with common issues such as depression and stress. The Counselling Service is also involved in health promotions such as national mental health week, stress-less day, and nicotine and alcohol-use awareness.

Students can access the Counselling Service for the first time without an appointment simply by walking into the Health and Counselling Centre on Murdoch campus any weekday morning between 9.15am and 11.00am. The Health and Counselling Centre is located in south-west corner of Bush Court on Murdoch campus, easily identifiable by its sky blue surrounds. The Murdoch service is open to Rockingham and Peel students; Peel students may also use a local contracted service. Confidentiality is assured.

Telephone: (08) 9360 2293  
<http://www.murdoch.edu.au/goto/Health>

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## **EQUITY**

### **Equal Opportunity and Social Justice**

Murdoch University is committed to equal opportunity and social justice principles, policy and practice through embedding social justice into academic business, maintaining an environment free from discrimination and supporting the diverse needs of students and staff.

Murdoch provides a range of services to ensure a welcoming environment that supports equality of opportunity in access for prospective students and in the support services provided to students.

The Equal Opportunity and Social Justice area advises the University of its responsibilities and strategic considerations in relation to equal opportunity and social justice and supports the integration of these into the academic learning environment. Students and staff requiring information on the University's equal opportunity and social justice initiatives, resources and customised diversity and Intercultural awareness training should contact the Equal Opportunity and Social Justice Manager:

Telephone: (08) 9360 2639

or visit the Equal Opportunity and Social Justice web site:

<http://www.murdoch.edu.au/goto/EOSJ>

### **Discrimination**

The learning environment supports cultural diversity by providing services responsive to individual needs.

Murdoch rejects inappropriate distinctions on the grounds of race (colour, ethnicity, national origin, nationality or descent), sex, pregnancy, marital status, age, sexual orientation, gender history, family responsibility, family status, political conviction, religious belief, disability or medical condition. The elimination of all forms of direct and indirect discrimination is fully endorsed by the Senate, the Vice Chancellor, and all members of University management. Sexual harassment and racial harassment are prohibited in all aspects of University life.

Students and staff requiring information on the University's equal opportunity policies, procedures for handling equity complaints or other policies pertaining to harassment and discrimination should visit the Office of Human Resources web site:

<http://www.murdoch.edu.au/goto/EO-1>

If you experience discrimination or harassment, staff who can advise you are listed on the Office of Human Resources web site above. Alternatively, contact:

Students: Telephone (08) 9360 6084  
Staff: Telephone the Office of Human Resources (08) 9360 7230

Students who have other grievances or appeals should visit the Student Complaints web site:

<http://www.murdoch.edu.au/goto/StudentComplaints>

### **Students and staff with disabilities**

The University welcomes applications from people with a disability or medical condition and is committed to increasing and enhancing opportunities for access to higher education and graduate employment.

Students can access Information and support by contacting the Equity, Access and Diversity office on:

Telephone: (08) 9360 6084  
[equity@murdoch.edu.au](mailto:equity@murdoch.edu.au)

Services and facilities available at the University include accessible parking bays, library assistance, alternative examination and test arrangements, access to specialised study equipment, assistive technology, lecture notes and liaising with staff. Further information about the disability support program is available in different formats on request.

Enquiries concerning employment should be directed to the Office of Human Resources:

Telephone: (08) 9360 2430  
[hr\\_recep@murdoch.edu.au](mailto:hr_recep@murdoch.edu.au)

### **Equity Access and Diversity**

Murdoch University supports a number of programs that ensure access to tertiary study and support for people from educationally disadvantaged backgrounds.

For information on the two school access programs Tertiary Options Project and Access Southwest, contact Equity, Access and Diversity on

[equity@murdoch.edu.au](mailto:equity@murdoch.edu.au)  
<http://www.murdoch.edu.au/Future-students/Domestic-students/Applying-to-Murdoch/Admission-pathways/School-leavers/>  
Telephone: 1300 MURDOCH (1300 6873624)  
<http://www.murdoch.edu.au/goto/AskMurdoch>

Equity, Access and Diversity staff offer social support and information to equity entry students, with particular emphasis on their transition into the tertiary environment. A sessional service is provided to students at the University's Peel and Rockingham campuses.

The Equity, Access and Diversity office also encourages the recognition of and support for students from all diverse backgrounds to ensure a positive engagement with university life.

Equity, Access and Diversity  
<http://www.murdoch.edu.au/goto/StudentAccessDiversity>  
Murdoch campus: Social Sciences Building, Bush Court, Room 1.006; easy access parking (ACROD) is at the top of Car Park 4:  
<http://www.murdoch.edu.au/maps/murdoch/transport/cpark4>  
Peel and Rockingham campuses: telephone (08) 9360 6084 for appointments

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## **GUILD OF STUDENTS**

Murdoch Guild is the student representative association for all students of Murdoch University and the recognised channel of communication between the student community and the University.

Students automatically become Basic Guild members unless they specifically opt out of membership; this enables them to be represented by the Guild. Students also have the choice of partnering with the Guild and becoming Financial members; this entitles them to the full range of the Guild's support services, programs and discounts.

The Guild is run for students by students and relies on the creativity and energy of students, to work well, respond to real needs and achieve great things. Students can get involved in the Guild in many different ways: by attending any Guild event, joining a Club or Collective, getting involved in a campaign or nominating for a position on the Guild Council.

The Guild represents its members both within the University as well as to external bodies such as government. Within the University, Guild representatives sit on University Boards and Committees to advocate for and express the concerns of the student body. The Guild provides assistance for students in disputes such as appeals against unit grades or cases of sexual or racial discrimination, and represents student views and opinions to government departments on issues such as Youth Allowance, Austudy and other Centrelink payments.

<http://www.murdoch.edu.au/goto/Guild>

### **Murdoch Guild Services**

Murdoch Guild provides services to students to assist with just about everything at Murdoch, and runs facilities that offer choice, discounts, and fun to Guild members! This includes Student Diary, Metior magazine, the Guild Shop, Student Common Space, the Second Hand Book Exchange, Tutoring program, the Sports and Recreation Centre, scholarships and book subsidies, Murdoch Guild Tavern, Sir Walter's Café, Café Kadjininy, Secondhand Computer Program and many events and activities throughout semester.

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## **HEALTH SERVICE**

The University is committed to supporting students to live healthy lives. At Murdoch campus, the University nurses provide a free health service to students. There is also emergency attention for staff and visitors.

Students who have a Medicare card can access one of the sessional doctors on a bulk-billed basis.

International students are able to receive a full rebate from their private healthcare provider.

During semester breaks staff may seek one-off appointments to see one of the visiting doctors on a 'fee for service' basis.

The Health Service coordinates a number of health awareness and improvement programs including quit-smoking, healthy-eating, vaccination and Pap-smear clinics.

First aid assistance is provided by trained first-aiders, and is available on all of the University's campuses. At Peel and Rockingham campuses, information on local doctors' clinics in the vicinity of each campus is available at Student Services offices.

Telephone: (08) 9360 2293

<http://www.murdoch.edu.au/goto/Health>

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## **INFORMATION TECHNOLOGY AT MURDOCH**

The IT Service Desk provides a walk-in IT Service Counter, located on Level 2 of the Library Learning Common at the Murdoch campus and open 24 hours a day, 7 days a week. The IT Service Counter provides assistance to all Murdoch students and staff.

All students and staff, including those located at other campuses, can contact the IT Service Desk as follows:

Telephone: (08) 9360 2000

[itservicedesk@murdoch.edu.au](mailto:itservicedesk@murdoch.edu.au)

<http://www.murdoch.edu.au/goto/ITServiceDesk>

The IT Service Desk web site above contains up to date information about the status of critical services and systems. Visit the web site to learn more about problems and resolutions that may have already been reported as well as many other services such as Knowledgebase, Hotlinks, News and web chat.

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## **INTERNATIONAL STUDENT SUPPORT**

Murdoch University is a Registered Provider of Education Services and Training as stipulated under the Commonwealth Education Services for Overseas Students (ESOS) Act 2000 (as amended in 2007) and the Western Australian State Education Service Providers (Full Fee Overseas Students) Registration (ESPRA) Act 1991. The University's Institutions and Courses for Overseas Students (CRICOS) Provider Code is 00125J.

Full details of the ESOS Act and the National Code of Practice can be found at

<http://aei.gov.au/AEI/ESOS>

Details of the ESPRA Act, including details of the State Government Conciliator, can be obtained from The Student Centre.

### **Use of Personal Information**

Information provided by students to the University may be made available to Commonwealth and State agencies pursuant to obligations under the ESOS Act 2000 and the related National Code of Practice for Registration Authorities and Providers of Education and Training to Overseas Students 2007.

### **Contact Details**

All international students are required to keep Murdoch University informed of their current Australian residential address. This must be done within seven days of arrival in Australia and within seven days of any subsequent change of address. Any changes to contact details should be updated via MyInfo.

Keeping the University informed of current contact details fulfils the obligation to update the Department of Immigration and Citizenship (DIAC), Condition 8533 of a Student Visa; failure to do this is a breach of the visa conditions.

Only a student's Home address should be recorded as the Residential Address, not a Post Office Box address. Students are also required to provide and maintain their emergency contact details in MyInfo. MyInfo can be accessed via MyMurdoch:

<http://www.murdoch.edu.au/goto/MyMurdoch>

## **Changes to Approved Study Programs**

### **Completing studies within the timeframe of student visa**

International students are obliged, under the terms of their Student Visa, to maintain a study load that will see them complete within the duration specified on the visa. It is expected that a student will maintain a full-time study load (12 credit points per semester). However, students are able to reduce their study load in certain conditions approved by staff in The Student Centre. Students intending to amend their study program by changing unit selections or withdrawing from units, decreasing the number of units being studied or changing a unit's mode of study from internal to external must contact The Student Centre prior to making any changes. Information and advice will be provided that will ensure the integrity of the Student Visa and the study program.

### **Course Transfer**

If an international student wishes to change their course of study they must submit a Course Transfer form. See:

<http://www.murdoch.edu.au/goto/StudentForms>

After a decision has been made, the student will be notified in writing. Changing the course of study may have an impact upon the student's visa, and students may be required to apply for a new visa if the duration of study has been extended. If an international student is given permission to change their course of study they must contact The Student Centre for advice regarding any change to student visa requirements.

### **Intermission of Enrolment (deferral or suspension of studies)**

If an international student wishes to intermit their studies they can do so under Murdoch University regulations (carefully read 'Intermission of Enrolment' in the Study at Murdoch section of this Handbook). However, the Department of Immigration and Citizenship (DIAC) does not permit international students to defer for more than six months, and then only on medical grounds. DIAC also expects deferred and intermitted students to return to their home country for the period of their deferral, although exceptions can be made to this requirement in exceptional cases. International students wishing to intermit their studies should contact The Student Centre for advice regarding the implications of the intermission on their student visa.

### **Withdrawal of Enrolment**

If an international student wishes to withdraw from the University, they can do so by completing and submitting a 'Change of Enrolment/Address' form. Before submitting the form they must contact The Student Centre to discuss the implications of the withdrawal on their student visa. The form can be obtained from:

<http://www.murdoch.edu.au/goto/StudentForms>

### **Transferring to another Educational Provider**

The National Code of Practice (2007) does not allow international students to transfer educational providers within the first six months of their course of study. Students wishing to do so must submit a request in writing to The Student Centre for a Letter of Release. If the request is granted, a Letter of Release will be provided. If the request is denied, students have the right to appeal in writing.

Students who have already been enrolled at the University for more than six months need to:

1. Seek advice from The Student Centre prior to withdrawing
2. Upon approval, Students need to withdraw from all units via MyInfo
3. Fill out a 'Complete Withdrawal from Course' form
4. Submit the completed form to The Student Centre.

The form can be obtained from:

<http://www.murdoch.edu.au/goto/StudentForms>

## **Academic Progress**

The University is required to monitor the academic progress of each international student at the end of each study period. This is undertaken as part of the Board of Examiners where all students are assessed against relevant academic progress rules. Students who have failed to meet satisfactory course progress are notified.

If a student is to be excluded from their course or from the University, there are significant implications for the student's visa. The University is required to report the student to DIAC for failure to meet satisfactory academic performance; this may result in the student visa being cancelled and a three-year embargo put in place.

Students to be excluded from the University will be notified in writing and will have 20 working days in which to lodge an appeal before the exclusion is put into effect or a report made to DIAC. Whilst the relevant internal appeal process is undertaken the enrolment is maintained. If no appeal is submitted within 20 working days or all appeals have been unsuccessful, the University is required to report the unsatisfactory academic progress to DIAC.

International students concerned about their academic progress or interested in further information and advice on this monitoring and reporting process are advised to contact The Student Centre. Murdoch University also has an intervention strategy that international students can access if they are failing units and want support. This is recommended for all students on probation status. Under this strategy international students can discuss their study performance and plans with any of a number of support staff, and agree to a tailored study plan. Further details can be obtained from The Student Centre.

## **Appealing to an External Agency**

International students studying at Murdoch University on a student visa have the right to access an external agency for appeals if they are not satisfied that the University's internal complaint and appeal process has been conducted fairly. The primary body is the Western Australia Ombudsman. The Ombudsman is independent and external to the University and does not charge any fee for the service.

Normally, the Ombudsman will only consider whether the University has followed its own policies and procedures and whether the handling of a case has been fair and reasonable. The Ombudsman does not make a new decision to replace the decision made by the University (for example, as to what the academic result for a unit should be). However, as a result of an investigation, the Ombudsman may recommend that the University reconsider the case.

All complaints to the Ombudsman need to be made in writing, but initial enquiries about making a complaint may be made by telephone; ask to speak to an Enquiry Officer.

Contact details for the Ombudsman are:

Ombudsman Western Australia  
PO Box Z5386  
St Georges Terrace



PERTH WA 6831

Telephone: (08) 9220 7555, or free call 1800 117000 (outside the metropolitan area)

Facsimile: (08) 9325 1107

mail@ombudsman.wa.gov.au

http://www.ombudsman.wa.gov.au

International students can also discuss any grievance, or seek advice, from the Western Australian Conciliator for International Students. This is also a free service provided through the Western Australian State Government. More information can be found at:

<http://www.murdoch.edu.au/goto/InternationalStudents>

### **Extension of Student Visa**

International students may need to extend their student visa for a variety of reasons. It is important to remember that DIAC typically expects students to complete their studies within the timeframe of their student visa. However, extensions are possible in many circumstances. Once a student realises that they will not be able to complete their studies within the time allowed on their student visa, they should contact The Student Centre to discuss the effects this may have on their current student visa, or on the extension of their student visa in the future.

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## **LEARNING COMMON**

The Murdoch University Learning Common is a uniquely-designed learning facility that brings together key supports, concepts and resources in support of student learning.

Located in the Library on the Murdoch campus, the Learning Common provides over 180 computers, many of which are available 24 hours a day, 7 days a week. The computers are in various configurations including stand-up 'counter style' for quick access to check the Library catalogue, 'classroom mode' for teaching and self-study use, and 'group study mode' which supports those working on group projects. The Learning Common is also a wireless hotspot; study benches with power are available so that students can use their own laptops.

The Learning Common seating arrangements reflect student needs, whether for study or just for hanging out and catching up with friends. Casual, booth and group seating arrangements are all in place, and tutorial and group study rooms can be used for project work.

The First Year Experience Office, Student Scholarships Office, Student Learning Centre, Murdoch Print, IT Service Counter and the Library Reference, Enquiry and Loans desks are all located within the Learning Common. The Learning Common experience is enhanced with refreshments available from Café Kadjininy and the adjacent Sir Walter's Café. The Learning Common at Peel campus also provides computers and a variety of study spaces. Student support is provided at regular times by Library and Student Learning staff.

<http://www.murdoch.edu.au/goto/LearningCommon>

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## **LIBRARY**

The Library aims to provide students with a friendly, relevant and expert service, to support their learning and research objectives, and to equip them with the information literacy skills to engage in

a lifetime of learning.

The Library supports learning and research by providing focused collections, training and assistance in the use of information resources, information services, and an environment conducive to work and study. Library services are available at all three Murdoch campuses. Peel campus is serviced through the Mandurah Senior College Library and Resource Centre and the University Peel Learning Common.

Library staff are available to help students discover a wide range of printed and electronic resources. Training programs are conducted throughout the year, and support materials are available on the Library web site and in print. Within the Library and Learning Common at Murdoch campus, Library staff work alongside staff from Student Learning, First Year Experience and IT Services to provide a range of services and support.

The Library has extended opening hours during teaching and vacation periods. Services are available 24 hours a day through the Library web site, which enables students to search the Murdoch catalogue and the catalogues of other university libraries, request materials which are out on loan, check their borrower record, request items from other library collections, and search many useful databases and Internet sites. A chat Online Librarian service is available over extended hours to answer reference enquiries from students.

For students who prefer to carry out their research on campus, a large number of computers are available in the Library. These provide search tools and office and communications suites for research and study purposes. All areas of the Murdoch campus and Rockingham Library have wireless access for students. Printing, copying and scanning facilities are available at competitive prices at all campus libraries. The Library also provides group study facilities, and a small number of carrels for private study are available at Murdoch campus for postgraduate research students.

Special services are provided for students enrolled in external courses who live at a distance from any campus.

A disabilities facility located in the Libraries at Murdoch and Rockingham provides access to a range of equipment and furniture. Designated Library staff are also available to assist with identification and collection of resources.

The Library has reciprocal agreements with all other Australian university libraries. Murdoch students and staff may join those libraries by presenting proof of current enrolment or employment.

<http://www.murdoch.edu.au/goto/Library>

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## **OCCUPATIONAL SAFETY AND HEALTH**

Murdoch has a safety and health management system in place for the management of Occupational Safety and Health. Integral to this is a commitment to provide a safe working environment to all members of the University community as outlined in the OSH Policy Statement.

As part of the hazard management system, an online hazard and incident reporting system is on the OSH web site.

The University is committed to ensuring that its students, staff, contractors and visitors are not exposed to tobacco smoke in its buildings and vehicles. Smoking is not permitted at the Peel campus, where a total ban is in place. At Murdoch and Rockingham campuses smoking is prohibited in:

All University-controlled buildings  
 Major thoroughfares and within ten metres of access points to buildings such as doors, windows, air conditioning vents and ducts  
 Courtyards that are substantially enclosed  
 All University vehicles and boats  
 Other area designated as no smoking areas by signage.

Professional advice, support and services are available in occupational safety and health, OSH risk management, auditing to Australian Standards 4801:2001 [OHSMS], Worksafe Assessment standards and ISO 9001:2000 Quality Standard.

<http://www.murdoch.edu.au/goto/OSH>

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## STUDENT ACCOMMODATION

Murdoch University offers on-campus accommodation at Murdoch University Village. Accommodation at the Village fills quickly and the University recommends that applications be submitted as soon as possible.

Off-campus housing is available through an Off-Campus Housing Service.

### **Murdoch University Village**

Murdoch University Village is located in lush native bushland on the western end of the Murdoch campus. The Village offers a diverse range of one- to eight-bedroom apartments for over 830 students, including a choice of modern one-, two- and five-bedroom apartments opened in 2009. All apartments are fully furnished and self catered, featuring kitchens, lounge areas, bathrooms and bedrooms (with the option of ensuite, single, double and twin share). Residents are expected to provide their own bed linen and crockery (these can be purchased from the Village on arrival). A range of accessible accommodation options for students with disabilities is also available.

Student life is an integral part of the Murdoch University Village experience. On-site facilities have been designed to enhance the student lifestyle and include a brand new swimming pool, computer laboratory, recreation room, student lounge, television room, study centre and beach volleyball and basketball courts.

An extensive event program offers activities to support social, academic and personal development, from movie nights to study groups and cooking classes. If residents need help, a friendly Resident Assistant (RA) team is available to provide support, help students settle into the community and adjust to life in Australia. RAs, staff and/or security are on site 24 hours a day.

Visit the web site below for more information or to apply online.

Murdoch University Village  
 PO Box 1055  
 Canning Vale WA 6970  
 Telephone (08) 9360 2909  
 Facsimile (08) 9360 2977  
[info@murdochuv.com.au](mailto:info@murdochuv.com.au)  
<http://www.murdochuv.com.au>

## **Off-Campus Housing**

The Off-Campus Housing Service provides assistance in matching the needs of students to a comprehensive list of private accommodation, shortly after students' arrival in Perth.

Arrangements can be made for applicants to view accommodation, usually up to three properties, selected on the basis of information that applicants provide after their arrival. It is likely that suitable accommodation can be located within five days of students' arrival in Perth.

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## STUDENT LEARNING CENTRE

The Student Learning Centre provides academic advice and support for students and staff in the areas of learning and teaching. It helps both undergraduate and postgraduate students to acquire the language and academic skills required for success at university. These include academic reading and writing, numeracy and study skills, which are provided in the context of students' tertiary studies. Support is provided for students entering university through alternative entry programs and specialist help is available for students for whom English is a second language.

The Student Learning Centre offers three credit-bearing units:

Introduction to University Learning (TLC120), which develops key theoretical understandings and academic skills for success at university in the Social Sciences and Humanities;

Rocket Science: Academic Skills for Science Students (TLC123), which focuses on the processes that underpin Science, the scientific method and the academic skills needed in the Sciences and Psychology; and

From University to Workplace (TLC277), which provides a theoretical and practical approach to the transition for students into the workforce.

In addition, the Student Learning Centre houses the OnTrack pre-university enabling course for students who can show educational disruption or disadvantage.

Student Learning Centre staff are located in the Library buildings on Murdoch and Rockingham campuses and in Building 101 on the Peel campus.

<http://www.murdoch.edu.au/goto/StudentLearning>

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## TRANSPORT AND PARKING

### **Public Transport**

Regular bus services connect to and from Murdoch campus. The Perth-Mandurah railway line passes near Murdoch campus on its way south from Perth city centre to Rockingham and Mandurah, where bus connections are available.

Further information on public transport, including an online journey planner, can be obtained from TransPerth:

<http://www.transperth.wa.gov.au>

### **Parking**

Staff and students wishing to park a vehicle (other than a motorcycle) on Murdoch campus must purchase and display a University parking permit through The Student Centre or online

from:

<http://www.murdoch.edu.au/goto/ParkingPermits>

Staff working and students enrolled at Peel or Rockingham campuses are entitled to a free Green parking permit. These permits can be obtained from The Student Centre at the relevant campus on production of proof of enrolment/employment.

Parking is available in Easy Access bays for staff, students and visitors who display a valid ACROD sticker.

Student Village residents, staff and visitors with a vehicle are required to obtain a relevant permit.

Coupons valid for single-day parking are available from The Student Centre.

Visitors' pay-and-display parking is available at various locations at a set hourly rate.

Speed detection radars are used for the safety of University patrons.

Infringements are issued for breach of University Parking and Traffic By-Laws.

<http://www.murdoch.edu.au/goto/Parking>

# Study at Murdoch: a General Guide

This is a summary description for general guidance. Further guidance is included in subsections below, specifically relevant to Bachelor studies, Honours studies, and Postgraduate studies.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements: for guidance see the Legislation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

## Revised Regulations

Information in this Handbook reflects the new Coursework Regulations, which take effect on 1 January 2011. For 2010 information, see the 2010 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

## ADMISSION REQUIREMENTS

Applicants for admission are asked to provide evidence of their suitability to undertake a university education. In many cases this evidence will be based on previous performance at secondary or post-secondary level (for undergraduate studies). However, for those courses into which admission is very competitive, there may be additional criteria and there may be limits on the number of places available.

As requirements for admission to postgraduate-level studies can vary greatly, applicants are advised to refer to the Graduate and Postgraduate Courses section of this Handbook. The application process gives an applicant the opportunity to demonstrate suitability and to make the best possible case for admission.

Note that all applicants need to prove their competency in English language.

More specific details on application processes can be found below.

### Mid-Year Admission

Murdoch University's most significant intake of students occurs at the beginning of each year. However, in recent years there has also been a mid-year intake into some courses: these students commence their courses at the beginning of Semester 2.

Domestic students offered a place at the beginning of a year may defer their commencement until Semester 2 or the following year provided that they accept by the Semester 1 deadline; International students must enrol in the semester they have been offered. Note that not all units are available in each semester.

Applications for mid-year admission should be directed to The Student Centre.

### Extra Admission Requirements for Teacher Education Courses

The Western Australian Department of Education and the Western Australian College of Teachers (WACOT) have the right to determine 'fit and proper persons' to enter and practice in schools in Western Australia. For the protection of students, education authorities have the legal right to exclude people from school premises. This power will be exercised in cases of serious or frequent criminal conviction, and may also be exercised in cases where children are thought to

be at risk for any reason.

For these reasons, all applicants offered a place in teacher education courses must obtain a National Criminal History Record Check through the WA Department of Education's screening agency, CrimTrac. Although a criminal record does not necessarily preclude an applicant from employment as a teacher, the WA Department of Education has advised that convictions:

- of a violent or sexual nature; or
- where the victim was under 18 years of age; or
- for dealing in or trafficking illegal drugs

will almost certainly rule out the possibility of teaching in a school, regardless of when the offence(s) occurred.

Information about obtaining a National Criminal History Record Check will be sent by Murdoch University to all applicants offered a place in the Graduate Diploma in Education (Primary or Secondary), the Bachelor of Education (Graduate) (Primary or Secondary) or the undergraduate Education courses. The University will require a successful applicant's Check prior to the student commencing their first placement. There will be a cost to the student in obtaining the Check.

In particular, full-time Graduate Diploma or Bachelor of Education (Graduate) students should note that their placement in a school occurs early in February, and so they should apply for their Check immediately on receipt of an offer from the University. Applicants who wish to obtain an application form in advance of being made an offer may do so by contacting the University, the WA Department of Education or the Tertiary Institutions Service Centre.

Applicants should note that if they apply for a Check and do in fact have a conviction relating to offences such as those above, the WA Department of Education will place this information on a database and make it available to other authorities.

For further details about this requirement, on a confidential basis, applicants can contact the WA Department of Education:

Telephone (08) 9264 4391

As well as a criminal record check, everyone applying to teach from the beginning of 2007 must have a Working with Children Check as part of the legislative requirements of the Working with Children (Criminal Record Checking) Act 2004. Application forms can be obtained from the School of Education School Experience Office, Level 4, Education and Humanities Building.

Murdoch University's Working with Children Check policy is available at:

<http://www.murdoch.edu.au/admin/policies/Workingwithchildre ncheck.htm>

For further information on the Working with Children Act and Working with Children Checks, see:

<http://www.checkwwc.wa.gov.au>  
[screening@det.wa.edu.au](mailto:screening@det.wa.edu.au)

## Advanced Standing

As part of the admissions process the University will consider previous post-secondary and tertiary studies for advanced standing, in accordance with relevant legislation: see the Legislation section of the Handbook for more information.

Credit refers to a reduction in the credit points required to complete a Murdoch course on the basis of recognised prior learning. It usually shortens the time required to complete the course.

An exemption removes the requirement for a particular unit to be taken. An exemption recognises that a student has completed learning/study elsewhere that substantially duplicates the content of a Murdoch unit which is a requirement of their Murdoch course.

For further information, refer to the Advanced Standing web site:

<http://www.murdoch.edu.au/goto/AdvancedStanding>

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## THE CREDIT POINTS SYSTEM

Study at Murdoch is based on a system of credit points. Most units have a value of 3 or 4 credit points. The guideline adopted by the University in determining the number of credit points represented by each unit is that the usual full-time student load in a standard semester is 12 credit points. Thus a unit with a value of 3 credit points should engage roughly a quarter of a student's available time and effort. This is an inclusive estimate, including all lectures, tutorials and/or laboratory classes, personal reading, and assignments required for the unit.

### Full-time and Part-time Study

A full-time student normally enrolls for 12 credit points in each semester, or 24 credit points in each academic year. Students must be enrolled in at least 9 credit points in a semester to be regarded as full-time: those whose enrolment is below 9 credit points at any stage in the semester will no longer be eligible for Centrelink support. For Centrelink purposes units are nominally either in Semester 1, which includes all units with a census date between 1 January and 30 June, or in Semester 2, which includes all units with census dates between 1 July and 31 December. The only exceptions are full-year and straddle units, which are split equally between the two semesters. Students in receipt of Centrelink support should check with Centrelink direct if they have concerns regarding eligibility for support, as the rules governing eligibility can change.

Students may enrol on a part-time basis. There are difficulties in offering units involving laboratory sessions outside normal working hours. Students who foresee difficulty in attending units during normal working hours should consult the teaching timetable in planning their unit enrolment.

International students must be enrolled in at least 12 credit points in a semester to be regarded as full-time. Those international students whose enrolment is below 12 credit points must contact The Student Centre, as they may not be satisfying the conditions prescribed for a student visa.

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## COURSES

It is students' responsibility to enrol in accordance with the degree regulations, requirements of their course/major and official deadlines.

## Enrolment of New Students

Successful applicants for admission to Murdoch University will receive an offer letter that includes all of the information needed to be able to accept the offer online. Enrolment information is emailed to students upon acceptance and includes advice on how to complete an enrolment for the year.

Applicants who are not immediately offered admission will be advised and invited to The Student Centre to discuss ways in which they may become successful in the future.

### Course Advice Sessions and Orientation

Course and academic advice sessions are offered to all new undergraduate and postgraduate coursework students. The sessions commence in late January and are repeated in Orientation Week (O Week). Students are encouraged to attend the Course Advice Session relative to their intended course of study. It is an opportunity to meet the academic staff in the course, and to hear about the enrolment options available at Murdoch.

O Week is held for new students in the week before the beginning of Semester and is an essential part of a successful university life. The week is designed to assist students to prepare for their studies, as well as to introduce them to the sporting, cultural and social activities on offer at Murdoch University.

A series of important lectures and workshops will cover such topics such as First Year Experience, Computer Usage on Campus, Learning Skills, Student Services and Supports, Planning Your Career, and Campus and Library tours. There will also be a general advice session for external students during O Week, however students should note that this is not a Course Advice Session.

Full details of the O Week program will be forwarded to new undergraduate students, and can also be found online:

<http://www.murdoch.edu.au/goto/Orientation>

For those students who commence studies in a trimester, Orientation and Course Advice will take place on day 1 of the teaching period.

### Re-Enrolment of Existing Students

Current students who intend to re-enrol for any study in 2011 are required to complete their enrolment by 17 December 2010. There is no guarantee of re-enrolment for any students who seek to re-enrol after the deadline. A fee may be charged for late re-enrolments.

Students should enrol in all units they intend to study during the whole year. This will assist the University in timetabling and in providing sufficient teaching resources for students. Students who do not enrol in second semester units by the end of May may also be charged a late re-enrolment fee.

All students are expected to re-enrol through MyInfo, except for the following:

- Students who are registered as having no access to the Internet are sent re-enrolment forms in November each year;
- Honours students are re-enrolled by The Student Centre;
- Research students will be re-enrolled by HDR Services on the basis of their Annual Progress Report;
- Not-for-award students are required to re-apply for enrolment each year through The Student Centre.

MyInfo can be accessed via MyMurdoch:

<http://www.murdoch.edu.au/goto/MyMurdoch>

## **Courses Subject to Restriction**

### **Selection of majors and minors**

Students are able to manage their selection of and enrolment in most majors and minors through the online enrolment facility, MyInfo. Postgraduate coursework students can manage their specialisation (where appropriate) in MyInfo.

Where a major is subject to restriction, adding it as a second major is subject to permission being granted by the Academic Chair: students seeking to add that major or transfer into it must apply via The Student Centre. Applications are considered at the end of each semester. Closing dates and application forms are found at:

<http://www.murdoch.edu.au/goto/StudentForms>

### **Restricted Courses**

Bachelor of Chiropractic, Bachelor of Science in Chiropractic and Bachelor of Health Sciences in Chiropractic

Bachelor of Education (Early Childhood and Primary Teaching), Bachelor of Education (Primary Teaching) and Bachelor of Education (Secondary Teaching), both four-year and two-year graduate-entry, and their joint degrees

Bachelor of Laws, Juris Doctor and joint degrees with Law

Bachelor of Nursing and Bachelor of Nursing (Conversion)

Bachelor of Psychology, Bachelor of Arts in Psychology and Bachelor of Psychology with Honours

Bachelor of Veterinary Medicine and Surgery and Bachelor of Science in Veterinary Biology

Graduate Diploma in Education (Primary) and Graduate Diploma in Education (Secondary)

All postgraduate courses are restricted and no student is able to transfer into a postgraduate award without approval.

### **Intermission of Enrolment**

Students may apply to intermit (or suspend) their enrolment for a maximum total period of two years during any qualification. Students granted intermission of their enrolment are guaranteed a place in the University and in their course provided they resume studies at the end of the period of intermission.

An Intermission of Enrolment form or a written application stating the grounds for seeking an intermission should be submitted via The Student Centre. The date this is received is the date of effect of the intermission on the student's enrolment record, unless the student requests it to take effect the following semester or trimester as relevant to the student's course. The Intermission of Enrolment form is available from:

<http://www.murdoch.edu.au/goto/StudentForms>

### **Withdrawal of Enrolment**

Domestic students may discontinue their studies altogether by formally withdrawing from the University. This must be done via MyInfo (withdrawing from any enrolled units) and then by completing the Complete Withdrawal from Course form and submitting it via MyAnswers to The Student Centre. Telephone advice to members of staff is not accepted as advice of withdrawal.

Re-admission is either via the Tertiary Institutions Service Centre (TISC) for undergraduate applications timed to commence at the

start of the academic year, or through The Student Centre for mid-year re-admission. A student applying for re-admission after a break in studies of two or more semesters is required to meet the course and fee requirements in force at the time of re-enrolment, subject to those requirements being varied in individual cases by the Academic Chair and Manager, Enrolments and Fees respectively.

A student who has no substantive enrolment in an academic year will have their enrolment discontinued and be required to apply for re-admission.

Any student re-enrolling after exceeding the maximum permissible period of enrolment may have conditions attached to their enrolment.

### **Academic Chairs**

Each undergraduate major/course and any associated minors, and each postgraduate course in the University has an Academic Chair who is able to counsel students in any matter relating to the course, major or minor and their enrolment in it, including unit selections, academic progress and the possible consequences of intermitting study.

Prior to 2010, Academic Chairs were known as Program Chairs.

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## **UNIT SETS**

'Unit Set' is the term used in MyInfo to record the names of majors, minors or other packages of units being undertaken. They are used to define a path of study undertaken to ensure the satisfactory progression through and completion of a student's course attempt.

When a student enrolls in a course, at least one primary unit set is applied to the course attempt to further define the student's intended path of study. If a student subsequently discontinues that primary unit set then they are also obliged to change their course.

Examples:

Bachelor of Commerce (the course) with a major in Accounting (the major is the unit set)

Bachelor of Criminology (the course) with a major in Criminology (the major is one unit set) and a minor in Management (the minor is another unit set)

Postgraduate Certificate in Energy Studies (the course) has a single unit set associated with it, also called Postgraduate Certificate in Energy Studies

Graduate Diploma in Education Studies has a number of unit sets available, corresponding with the specialisations available in the course.

Unit set 'rules' typically require the completion of particular units or credit points at certain levels of study, and are used to verify a student's progress. Similarly, course rules can require the completion of one or more particular unit sets.

Many students will be able to amend their unit sets and add non-restricted unit sets in MyInfo. Students who wish to add restricted unit sets are able to make application at the end of each semester as part of the course transfer process. Closing dates and application forms are found at:

<http://www.murdoch.edu.au/goto/StudentForms>

Note that some courses will require completion of a particular unit set: in these cases the unit set will not be able to be removed. There are also limits on the number of unit sets that can be undertaken

within the one course.

## UNITS

### Unit Offerings

University study is based on enrolment in units taken in distinct unit offerings, or enrolment options. A unit offering consists of a Location (for example, Murdoch campus), a Teaching Period (for example, S1 (the standard Semester 1 teaching period)) and a Unit Class or mode of study (for example, D (internal)). Many unit offerings are for a standard semester or trimester, some offerings are over two semesters, and others are in non-standard teaching periods.

The offerings applicable to each unit are shown in the Units section of this Handbook.

Note that the University does change unit offerings in response to enrolment and administrative needs, and students should use the online Handbook to obtain the most up-to-date information.

### Teaching Periods

A Teaching Period is the period of time spent in teaching and assessing a unit, lasting from the first day of instruction to the final day of assessment. Each teaching period is uniquely identified by a code.

Most unit offerings are in standard teaching periods, and there are also a number of non-standard teaching periods. All standard teaching periods are as follows:

Standard Semesters include 12 teaching weeks plus two weeks of assessment

Semester 1: S1 (February to June)

Semester 2: S2 (August to November)

Standard Summer and Winter terms include five or six teaching weeks plus one week of assessment

Summer term: SUM (November/December of the preceding calendar year to February)

Winter term: W (June to July)

Standard Full/Straddle Years are two consecutive standard semesters

Full Year: Y (S1 then S2)

Straddle Year: H (S2 then S1)

Standard Trimesters are 14 weeks long, with the final week used for assessment

Trimester 1: T1 (January to April)

Trimester 2: T2 (April/May to July/August)

Trimester 3: T3 (August to November)

A comprehensive list of teaching periods can be seen at the beginning of the Units section of this Handbook.

### Prerequisites

Some units assume a particular level of understanding before students can commence study; typically this is satisfied by completion of other (prerequisite) units. Where a unit has prerequisites, enrolment in the unit will require a student to have satisfied the prerequisites (or equivalents elsewhere) before enrolling. Students should consult the Unit Coordinator if they wish to seek a waiver of a prerequisite.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Overloads

A student is not permitted to enrol in more than 14 credit points in a semester unless approval has been obtained via The Student Centre from the Academic Chair. Generally a student needs a good academic record to cope with an enrolment overload.

### Late Enrolment

#### Internal Offerings

Students can enrol online in an internal offering of a unit up to the end of the second week of the teaching period. However, the enrolment can be refused if the Unit Coordinator believes it will disrupt teaching in the unit, otherwise disadvantage other students already enrolled in the unit, or might be academically disadvantageous to the student. Enrolment after the closing date requires special approval and students should contact The Student Centre.

#### External Offerings

Students can enrol in an external offering of an S1, S2 or Y offering of a unit until 5.00pm on Friday of the first week of that teaching period; the deadline for all other teaching periods is the Friday before the teaching period starts. However, delays in receiving unit materials are likely to be experienced if a student enrolls later than two weeks before the start of the teaching period. Enrolment after the closing date requires special approval; students should contact The Student Centre for further information.

### Repeating a Failed Unit

A student who has failed a unit normally may take it a second time. Third attempts will be granted only in special circumstances, and require the approval of the Academic Chair of the course offering the unit. In special circumstances, the President of Academic Council may grant approval for a student who has failed a unit three times to be permitted to enrol in it for a fourth and final time. Conditions may be attached to a third or fourth attempt including, in the case of a core unit failed twice, that a student must repeat the unit at the first available opportunity.

### Units offered at Peel and Rockingham

Students enrolled at the Murdoch campus are permitted to enrol in units at the Peel and Rockingham campuses, where places are available.

### Unit Availability

Core units must be offered each year, and at least once during each course offering where courses are of less than one year's duration. Elective units must be offered at least each alternate year. A sufficient number of Specified Electives must be offered in any course cycle to provide full-time students with a range of units from which to select.

### Teaching Timetable

The teaching timetable is prepared in accordance with the Timetabling Policy with the aim of meeting, as far as possible, the needs of students and academic staff.

Classes are normally scheduled Monday to Friday, between 8.30am and 8.30pm.

Teaching timetables are published for each of the semesters, summer, winter and each of the trimesters. To allow students to

plan their enrolment, the final timetable is published before enrolments commence. The Semester 2 timetable is published in draft form prior to enrolments commencing, and will be finalised during Semester 1.

Amendments to the final timetable will only be made when it is essential: for example, if there is a clash with another required unit, if a lecturer is unavailable, or if a room is unavailable or unsuitable.

Murdoch University strives to offer a degree of flexibility in its courses. Unfortunately, it may not be possible to schedule all possible combinations of units when constructing the timetable. Core units and specified electives are a priority in the timetabling process. Students are accordingly advised to select non-specified electives that fit with their core timetable. Students may also wish to consider selecting non-specified electives that are available in external mode or on Lectopia, if a clash affects only a portion of the total lecture time.

The teaching timetable can be seen online at:

<http://www.murdoch.edu.au/goto/TT>

The Timetabling Policy is available at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legalandgovernance@murdoch.edu.au](mailto:legalandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/admin/policies/timetabling.html>

## Unit Activities

'Activities' is the collective term used for all teaching activities, such as lectures, tutorials, laboratories, workshops, seminars etc.

Students need to register for their unit activities through MyInfo once activity sign-up is available. Activities for most units start in the first week of the teaching period.

## Special Types of Unit

### Foundation Units

Students in an undergraduate bachelor degree are required to take a Foundation unit in their first semester of enrolment.

Foundation units assist in the development of a range of skills particularly useful for new students in their transition into university studies. For more information, see Bachelor Studies: a General Guide.

### Special Topics

These units comprise advanced study in particular areas, and the range of topics available (if any) varies from year to year. Details of topics on offer can be seen in the Units section of the online Handbook.

### Independent Study Contracts

An Independent Study Contract (ISC) permits a student to study a topic or subject that is not available as a regularly-taught unit, under the supervision of an academic member of staff, and to obtain credit points for this. ISCs differ from formal units in that they are based on individual study rather than formal classes.

The student is responsible for the selection of the topic and for the organisation of the contract. The contract is a formal agreement between the student and the supervisor, specifying the material to be studied and the methods by which it will be assessed. A student undertaking a contract will be required to work closely with the supervisor.

Students must submit their applications via The Student Centre on the standard form. Applications should be submitted at latest by the first day of the teaching period in which the contract is to be undertaken, but it is preferable to apply at least several weeks in advance.

The Independent Study Contracts Policy is available at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legalandgovernance@murdoch.edu.au](mailto:legalandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/admin/policies/independentstudy.html>

## Change of Unit Enrolment, including Withdrawal

Most students (excluding honours, research and offshore students) are expected to change their unit enrolments in MyInfo, accessed via MyMurdoch:

<http://www.murdoch.edu.au/goto/MyMurdoch>

The IT Service Desk can help with any difficulty in working through MyInfo:

Telephone: +61 8 9360 2000  
[itservicedesk@murdoch.edu.au](mailto:itservicedesk@murdoch.edu.au)  
<http://www.murdoch.edu.au/goto/ITServiceDesk>

Students who require assistance in unit selection or other academic issues should contact The Student Centre.

To change unit enrolments, honours and research students should contact The Student Centre for assistance.

For any other questions, students should visit MyAnswers through MyMurdoch:

<http://www.murdoch.edu.au/goto/MyAnswers>

## Withdrawal From Units

Withdrawals are recorded on the student's academic transcript as follows:

Withdrawal on or before the census date: withdrawal is not formally recorded on the academic record. An administrative record is kept.

Withdrawal after the census date, but on or before the last date for withdrawal without penalty in the teaching period in which the unit is to be completed: withdrawal is recorded and fees incurred. For Commonwealth-supported students, Student Learning Entitlement is consumed.

Withdrawals after the last date for withdrawal without penalty: fail recorded and fees incurred.

For units that are offered in other teaching periods, census and withdrawal dates will apply as relevant to the teaching period. Details of census and withdrawal dates for all units are posted on the University web site, and can be accessed from the online Handbook.

Australian students in receipt of Government support need to keep in mind their obligations to remain enrolled in at least the minimum number of required credit points.



International students must maintain a full-time enrolment at all times as a condition of their student visa. If an international student cannot enrol full-time, they must apply for permission from The Student Centre to under-load — permission may be granted in exceptional circumstances.

### **Retrospective Withdrawal, and Re-crediting and Remission of SLE, HELP and Fees**

Students can apply to have unit outcomes amended from Fail or Withdrawn to Withdrawn with or without Load; re-crediting of their Student Learning Entitlement; and remission of their HELP or tuition fee liabilities.

A student can only be assessed for retrospective withdrawal and re-crediting and remission if they:

- have not completed the requirements for the unit of study (i.e. have withdrawn from the unit, received a Fail grade, or been awarded Deferred Assessment and are subsequently unable to complete the unit);
- applied in writing within the deadlines; and
- met the exceptional circumstances requirements.

Exceptional circumstances:

- are beyond the student's control;
- do not make their full impact on the student until on, or after, the census date; and
- make it impracticable for the student to complete the requirements for the unit during the period in which the student undertook, or was to undertake, the unit. This includes any additional time that may be granted the student.

Exceptional circumstances might arise from medical, family, personal, employment or course-related reasons.

Application for retrospective withdrawal must be made in writing to the Manager, Enrolments and Fees via The Student Centre, within 12 months of the withdrawal date or, if the student has not withdrawn, within 12 months of the end of the period of study in which the unit was, or was to be, undertaken. Where a student has been granted permission to defer completion of their studies, the twelve-month period applies from the end of the extended period. The Manager, Enrolments and Fees, has discretion to waive this requirement if he or she is satisfied that the application could not be made within the time limits.

The application should include independent supporting documentation to support the personal statements and claims. Depending on the nature of the special circumstances, the supporting documentation can include statements from doctors, counsellors, or employers. Supporting documentation should indicate: that the student's circumstances were beyond their control; that the circumstances did not make their full impact on the student until on or after the census date for the unit; when it became apparent after the census date that the student could not continue with their study; or how the student's circumstances prevented them from withdrawing from their study before the census date. Medical certificates or letters should include the medical provider number. Evidence of death can include death notice, newspaper extracts, or letters from counsellors, funeral directors and doctors.

Students will be asked to supply additional information if insufficient documentation is provided to allow a decision to be made. If a student does not respond to such requests in the time specified the application will be deemed to have lapsed.

### **Cross-enrolments, or Unit Enrolment at Other Australian Universities**

Students seeking to enrol in units at other universities for credit towards their degree must obtain prior approval via The Student Centre. They must still complete at least 50 percent of the Murdoch University Part II units from the requirements of the course and major or minor in which the student is graduating, or from related units as determined by the Academic Chair, and at least 20 such credit points for an honours bachelor's degree.

In accordance with the Units Policy a cross-institutional enrolment allows Murdoch students to undertake a unit from another institution if an equivalent unit is not available at Murdoch.

The Cross-Institutional Enrolment application form is available online:

<http://www.murdoch.edu.au/goto/StudentForms>

Students must provide The Student Centre with evidence of their enrolment at the other university. Approval to enrol in the cross-institutional unit is normally required prior to enrolment; however, an Academic Chair has discretion to approve credit for cross-institutional enrolments where the student has already completed the unit.

As a condition of their student visa international students cannot study at another institution without permission from The Student Centre.

Cross-institutional enrolments for international students must be approved via The Student Centre as part of the compliance requirements under the ESOS Act, 2000; this must occur before the enrolment is processed by the other institution.

Normally recorded grades are UP or N for cross-institutional units, however the grade achieved at the other institution is also shown on the academic transcript. Where the cross-institutional unit is a required unit and the other institution has the same grading schema as Murdoch, the grade achieved at the other institution is recorded in place of UP or N.

### **Unit Enrolment at Overseas Tertiary Institutions through the Exchange Program — Study Abroad**

Students enrolled in degree courses may study for a semester, or an academic year, at a university overseas for credit towards their Murdoch University degree. Limited opportunities are also available for postgraduate students.

Students are advised to begin planning for their Study Abroad experience during their first year of study. It is recommended that students complete General Electives while on exchange as general credits are easier to transfer into their Murdoch University degree. Students may also obtain Core Units and Specified Electives credit points overseas. However, it is the student's responsibility to research for appropriate substitutes or equivalents.

To be eligible to study abroad, students should have completed at least one year of full-time study (or part-time equivalent) at a tertiary institution of which at least 12 credit points must be from Murdoch University, have a minimum of a Credit academic average and be good ambassadors for the University.

Several Study Abroad travel bursaries are available to assist successful candidates. Travel bursaries are awarded competitively, based on sound academic performance and the ability of candidates, in the opinion of the committee, to both represent and

promote the Study Abroad program and Murdoch University overseas. Commonwealth-supported students may apply for an OS-LOAN of up to \$5523 per six-month period (for a maximum of two periods). Further information is available from The Student Centre.

For more information about studying abroad, see:

<http://www.murdoch.edu.au/goto/SA-0>

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## EXTERNAL STUDY

External units are designed for students to study on their own, generally without on-campus attendance. The University has a flexible unit offering model, using online technology in a complementary way to ensure that all students will be able to access the same unit package, whether they are studying in either internal or external mode.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Further information on external study can be found at:

<http://www.murdoch.edu.au/goto/ES-1>

### External Courses

The lists of courses at the beginning of the Courses sections of this Handbook shows all courses offered in external mode.

### External Units

All Murdoch units have an online presence in some capacity. Some units use only online resources whilst others may have some printed material that will be issued to external students. Whenever feasible, lectures are recorded and can be accessed online within 24 hours of delivery.

Students who cannot come onto campus may use the online order facilities of the University Bookshop to purchase required and recommended textbooks.

External students may still use campus facilities such as the library, or attend lectures if able to do so. Students who are enrolled in external mode for all units and who live more than 30 aerial kilometres from the Murdoch Campus Library may borrow via the Library's online lending service. Reciprocal borrowing arrangements with interstate libraries are available: consult the Library's web site for External Students for details of eligible Libraries:

<http://www.murdoch.edu.au/goto/ESS>

Contact with tutors varies from unit to unit and tutors will inform students how and when they may be contacted. Students are encouraged to establish regular contact with their tutors by telephone or email.

An online student community site (Bush Telegraph) is provided for students who are enrolled fully externally to make contact with each other, discuss study or other issues and concerns, and provide feedback to the University.

### Enrolment in External Units

Unit offerings are shown in the Units section of this Handbook. A key to teaching periods appears at the beginning of the Units section of this Handbook.

External students need to consider their available study time when enrolling in units. Generally students would not be given approval to enrol in a full external load unless they are able to devote approximately 40 hours per week to their study commitments.

For information concerning late enrolment in external offerings of units, see Late Enrolment under the Units heading above.

Students enrolled in an internal semester- or year-long unit offering may change to the equivalent external offering of that unit only until the end of the second week of the teaching period. After that date students must complete an application for Late Change from Internal to External Unit Offering if they have extenuating circumstances: see:

<http://www.murdoch.edu.au/goto/StudentForms>

When enrolled in units which are available in both a one-semester and full-year/straddle offering which begin at the same time, students may change between the two options up until the following deadlines:

Units starting in Semester 1: 12 March

Units starting in Semester 2: 27 August

## External Enrolment by Students Based Overseas

Students studying from overseas, particularly those in developing countries, need to make allowance for potential difficulties and delays, especially in communicating with the University. Australian Citizens are able to hold a Commonwealth-supported place if they are residing overseas. Permanent resident visa holders who are residing overseas whilst studying are not able to hold a Commonwealth-supported place unless they are required to reside overseas as part of the course; otherwise, they will be domestic full fee-paying students.

If applicable, initial unit materials packages are sent by courier to overseas students. The University takes particular care to identify the content of unit mailings that contain CDs, to minimise difficulties in delivery. However, unreliable postal systems and variable customs administration may impose extra costs and delays. While the University meets the costs of mailing unit materials, the student will be responsible for payment of any customs duty imposed.

Assignments and correspondence should be sent to the University via fax or email whenever possible.

### Assessment

Students enrolled in external offerings of units and living more than 70 kilometres from the campus at which they are enrolled are sent an examinations notice email, where an examination is part of the unit's assessment requirements. For further information on assessment, see the Rules for the Conduct of Examinations

<http://www.murdoch.edu.au/goto/Legislation>

and relevant Assessment topics elsewhere in the Handbook.

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## CANCELLATION OF COURSES, MAJORS, MINORS OR UNITS

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

## ASSESSMENT AND ACADEMIC PROGRESS

The Assessment Policy can be accessed here:

<http://www.murdoch.edu.au/goto/Assessment>

### Responsibilities of Students

The Assessment Policy specifically advises that students have the responsibility to

Seek all information available well before assessments are due — this may be available online, or in printed material specified for the course

Submit assessed work by the due date and in the specified process

Work in a manner that does not constitute misconduct, dishonesty or plagiarism

Behave in a manner which does not interfere with other students' rights

Seek advice and feedback at times specified by the Unit Coordinator

Not undertake spurious appeals or ambit claims over assessment grades

Students have a responsibility to include a cover sheet with each assessment submitted. A cover sheet form is included in the Electronic Assignment and Submission Marking policy at:

<http://www.murdoch.edu.au/goto/ElectronicAssignmentSubmission>

### Assessment Methods

Methods of assessment vary among units. However, each unit is required to have more than one assessment method, at more than one point in time, while ensuring that the amount of work required is appropriate to the credit points value of the unit.

All students will be provided with a written statement of the assessment requirements for each of their units, including assessment methods and weighting.

### Examinations

Usually all final examinations are held within the assessment period at the end of each semester or trimester. It is the student's responsibility to ensure that they are available throughout this period and that any travel is scheduled outside this time.

Semester examinations commence on the first Saturday of the assessment period, and are generally held in two daily sessions commencing at 9.30am and 2.00pm. Students are required to show their Murdoch University Student Card at the examination venue. External students who do not have a Murdoch student card may use alternate photo identification such as a driver's license or passport.

The examination timetable is published about five weeks prior to the assessment period at:

<http://www.murdoch.edu.au/goto/ET-2>

Students who arrive no more than 30 minutes late will be allowed to sit the examination, but will not be granted extra time. Those who arrive more than 30 minutes late should report to the Examinations Office via The Student Centre. Students who miss an examination will not be allowed to sit the examination and will not

be eligible to apply for deferred assessment.

The Rules for the Conduct of Examinations are available at:

<http://www.murdoch.edu.au/goto/Legislation>

The Exams Office web site is at:

<http://www.murdoch.edu.au/goto/Examinations>

### Grading System

*Final Grades for units that award grades (most Murdoch units)*

HD (High Distinction): 80-100%

D (Distinction): 70-79%

C (Credit): 60-69%

P (Pass): 50-59%

N (Fail): below 50%

DNS (Fail): Fail: the student failed to participate in assessment components that had a combined weighting of 50 percent or more of the final mark

*Final Grades for units that only award Pass/Fail*

UP (Ungraded Pass): 50% or above

N (Fail): below 50%

DNS (Fail): Fail: the student failed to participate in assessment components that had a combined weighting of 50 percent or more of the final mark

*Interim Grades*

G (Good Standing)

NA (Not Available)

Q (Deferred Assessment)

S (Supplementary Assessment): 45-49% (The award of the grade of S shall be at the discretion of the Unit Coordinator except where clause 11.8 of the Assessment policy applies.)

### Notification of Assessment and Examination Results

Students are entitled to see their results in all assessment components of their unit, including raw marks for components and for the unit overall.

Examination results are released as follows:

for semester exams, on the third Monday after the end of each assessment period;

for trimester exams, on the second Thursday after the end of each assessment period.

Results are available through MyInfo, accessed via MyMurdoch:

<http://www.murdoch.edu.au/goto/MyMurdoch>

The Assessment Policy states that students have a right to view and discuss assessment results with a member of teaching staff. Students are entitled to see their results in all assessment components of their unit, including raw marks for components and for the unit overall. Students may inspect their marked examination scripts and discuss the marking with the Unit Coordinator, or nominee, within fourteen days of the posting of results. Unit Coordinators may require reasonable notice or set aside specified times for this.

Where a Unit Coordinator is away from campus in the two weeks following the posting of results, another member of academic staff must be designated to handle enquiries and be provided with detailed assessment information to facilitate this. Unit Coordinators must retain examination scripts until the end of the following appropriate standard teaching period.

### **Academic Transcript/Statement of Academic Record**

A formal statement of academic record is available to students from The Student Centre at a cost of \$15. Normally one working day's notice is required.

### **Supplementary Assessment**

A Unit Coordinator may, where appropriate and at their discretion, award an interim grade of S. A grade of supplementary assessment (S) may be reported where the student has a borderline fail grade (45 to 49 percent) in the unit, and the Unit Coordinator is able to arrange extra work and/or an examination to give the student a further opportunity to demonstrate achievement of the unit objectives.

The Unit Coordinator will notify the student in writing of the supplementary assessment arrangements, and the additional work must be completed within six weeks of the end of the main assessment period for the unit (for this purpose the two-week Christmas close-down of the University will not be taken into account).

Where a student achieves a mark of 50 percent or greater overall in the unit assessment, but fails because they do not achieve a pass or required minimum mark in one or more mandatory pass components, they must be awarded supplementary assessment, which shall normally be directed toward the area in which they have failed.

The only grades available after supplementary assessment are Pass or Fail. An Ungraded Pass is not available. If supplementary assessment is not completed by the six-week deadline, a result of Fail will be recorded.

For those of its units that are offered on a full-year basis, the timetable for supplementary assessment in the Faculty of Health Sciences may differ from that stated above. Students enrolled in affected courses will be informed of any variation.

### **Deferred Assessment**

A student may be granted a deferral of assessment if a serious illness or other exceptional circumstance prevents them from sitting an exam or completing a piece of assessment work due in the last teaching week or later and it is possible for them to pass the unit.

Deferred assessment shall not be approved:

- for illness or other circumstances occurring prior to the census date for the unit — instead, an extension should be requested from the Unit Coordinator;

- for circumstances occurring after the census date and before the late withdrawal date for the unit and not continuing after then — instead, application should be made for retrospective withdrawal;

- if the student has sat the exam or submitted the assessment piece;

- if the student can't sit because it is during their working hours, unless it is shown that the employer has refused them leave; or

- if the student didn't sit an exam because they misread the timetable, forgot the exam or slept in.

Applications forms must be submitted to The Student Centre within three (3) University working days for exams, or by the last week of teaching for other assessment pieces. Application forms are available from The Student Centre or can be downloaded from:

<http://www.murdoch.edu.au/goto/DeferredAssessment>

The application shall include a statement of the reasons for seeking deferment, and independent supporting evidence including a medical certificate if the application is on medical grounds.

Where an application is denied, the advice will include the reasons for the denial. The student may appeal to the Chair of the Student Appeals Committee within five (5) University working days of the date of the denial advice if the criteria in Section 10.4 of the Student Appeals policy are met.

The Student Appeals Policy is available at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legallandgovernance@murdoch.edu.au](mailto:legallandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/goto/StudentAppeals>

For information on the Appeals process, see:

<http://www.murdoch.edu.au/goto/Appeals>

Deferred assessment is not available for units in which the student has been granted supplementary assessment. Under exceptional circumstances a student may apply to their Unit Coordinator to change the date of their supplementary assessment.

### **Dishonesty in Assessment**

Academic integrity is an adherence to five fundamental values: honesty, trust, fairness, respect and responsibility in all work. Academic integrity is fundamental to the operation of all scholarship, whether it be original research or undergraduate assignments. It ensures that proper credit is given to those who do the work and that their intellectual contribution is acknowledged. It ensures that proper evaluation and feedback of performance can be given, and it buttresses the worth and reputation of academic awards on the basis they have been honestly earned. Murdoch University regards academic integrity as a fundamental value of student learning. It requires all students enrolled in the University to adhere to academic integrity in fulfilling each assessment task.

The University regards most seriously any acts of dishonesty relating to assessment of University courses and research. This includes plagiarism, unauthorised collaboration, examination misconduct, theft of other students' work and misconduct in research. Acting unfairly or dishonestly in assessment is defined as misconduct under University statute.

Depending on the seriousness of the case, dishonesty in assessment can lead to a requirement to undertake additional work, failure in a unit or in a part of it, suspension from the University or even permanent expulsion from the University. The University regards any form of cheating as a serious matter of academic dishonesty that threatens the integrity of the assessment processes and awards of the University, to the detriment of all other students and graduates of the University.

Plagiarism constitutes using the work of another without indicating by referencing (and by quotation marks when exact phrases or passages are borrowed) that the ideas expressed are not one's own. Students can use the ideas and information from other authors, but this use must be acknowledged. It is also not acceptable to submit an assignment that is simply a paraphrasing of extracts from other

authors: the work submitted must include some intellectual contribution of the student's own. The Foundation units in particular assist students in identifying plagiarism, which may be an acceptable practice elsewhere, but is not acceptable within universities.

Re-submission of previously marked work — the submission of the same piece of work for assessment in two different units by the student author — is not acceptable practice if it is not acknowledged.

Unauthorised collaboration ('collusion') constitutes joint effort between students, or students and others, in preparing material submitted for assessment, except where this has been approved by the Unit Coordinator. Students are encouraged to discuss matters covered in units, but when writing an assignment, computer program, laboratory report or other piece of assessed work, the recording and treatment of data and the expression of ideas and argument must be the student's own.

Dishonesty in assessment applies to work in any medium (for example, written or audio text, film production, computer programs, etc.)

The Assessment Policy

<http://www.murdoch.edu.au/goto/Assessment>

includes in section 2 a link to a table of Penalties for Dishonesty in Assessment (Appendix A).

All penalties are recorded on the student's formal record.

### **Academic Progress**

Students must complete successfully at least half of their enrolled credit points each academic period in order to make satisfactory progress. Failure to do so may result in a warning; failure to do so in two consecutive academic periods of enrolment after a warning was issued may result in suspension from the course.

Certain courses may have additional academic progress requirements: these will be recorded in the course's entry in the Handbook.

A student excluded from enrolment, either in a particular major/course or the University as a whole, may apply to the Academic Chair for reconsideration of the decision to exclude. Any such application shall be submitted in writing to the Student Centre within twenty working days of the date of the advice notifying the student of exclusion. This form can be found at:

<http://www.murdoch.edu.au/goto/StudentForms>

More information can be found in the Coursework Regulations. See the University Legislation:

<http://www.murdoch.edu.au/goto/Legislation>

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## **STUDENT APPEALS**

Murdoch University encourages students to resolve issues initially and informally through their Unit Coordinator and/or appropriate Faculty staff member. In cases where this is not possible, the appeals process provides a further opportunity for students to seek a final resolution. For further information on the various type of appeals and their relevant procedures:

<http://www.murdoch.edu.au/goto/AAER>

See also the Student Appeals Policy at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legalandgovernance@murdoch.edu.au](mailto:legalandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/goto/StudentAppeals>

### **Student Complaints**

Where a student is dissatisfied with a decision made that falls outside of the Student Appeals process, the Student Complaints process enables the provision of information on how to address any issues and/or concerns. For further information see:

<http://www.murdoch.edu.au/goto/StudentComplaints>

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## **STUDENT COMMUNICATION**

Students who change their home or postal address at any time during the year must notify the University through MyInfo. If MyInfo is not accessible, Change of Address forms are available from The Student Centre.

### **Official Communication Channel**

The Official Communications Channel (OCC) is where important messages regarding student enrolment and graduation are sent. It can be accessed at any time through the Student Portal:

<http://www.murdoch.edu.au/goto/MyMurdochStudents>

Students should check the OCC regularly for new communications from the University.

### **Email**

The University will also correspond with students via email.

All students are provided by Murdoch with a student email account. Students with a non-Murdoch email account that they would prefer to use can override the address that the University provides.

New students can set their email address when accepting their offer (domestic students) or when activating their Murdoch account (international students).

Current students can maintain their email address via MyInfo.

Students without an external email account can use their Murdoch-provided account. These are automatically created for all new students, in the format

`yourstudentnumber@student.murdoch.edu.au`

Students can access their Murdoch email account with a web-based email interface at

<http://www.murdoch.edu.au/goto/Webmail>

To log in, students will need their Murdoch User Name (student number) and Murdoch Password, the same as is required for MyInfo.

More information about email accounts can be found at

<http://www.murdoch.edu.au/goto/UsingMurdochEmail>

### ***Extenuating Circumstances***

External students who are unable to access computer facilities due to extenuating circumstances are able to apply to receive their University correspondence via hard copy. An application form is included in enrolment information sent to new students. For further information contact The Student Centre.

# Bachelor Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: a General Guide in this Handbook. It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements: for guidance see the Legislation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

## Revised Regulations

Information in this Handbook reflects the new Coursework Regulations, which take effect on 1 January 2011. For 2010 information, see the 2010 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

## STRUCTURE OF UNDERGRADUATE BACHELOR DEGREES

Bachelor degree course descriptions and requirements appear in the Bachelor and Honours Degrees section of this Handbook. Further information can be obtained from The Student Centre.

Murdoch offers ordinary bachelor's degrees of three- or four-year duration, that being the typical time taken to complete the degree when studying full time.

A three-year degree normally requires 72 credit points and a four-year degree 96 credit points. A full-time student normally enrolls for 12 credit points in each semester, or 24 credit points in each academic year.

## Part I

The bachelor degree comprises two parts.

Part I is the first academic year of the degree: for a full-time student, it occupies the first two semesters. Part I introduces students to university-level studies; it provides a basis upon which studies in Part II are built and, where the course structure is not fully prescribed, it allows students to develop their interests before finally deciding their course of study.

## Part I Requirements

In order to complete Part I a student must:

- pass a University Foundation unit; Exemption from the requirement to complete a University Foundation unit will be given only if a student has been granted 18 or more credit points of credit on the basis of previous studies elsewhere. Part I students must pass a Foundation unit and be credited with 18 credit points before they can enrol in any Part II unit.
- pass the Part I Required Units of the major(s) in their course (as listed in the Bachelor and Honours Degrees section of this Handbook); and
- complete a total of 24 credit points (which includes any credit the student may have been awarded for previous studies).

## Part II

Part II comprises the balance of the degree and consists of more specialised study. In order to complete Part II a student must:

- complete the Part II unit requirements of any major(s) in the course in which the student is enrolled; and
- be credited with the total credit points required for the degree for which the student is enrolled.

A student must also complete any further requirements for the course.

## UNDERGRADUATE ADMISSION REQUIREMENTS FOR MURDOCH UNIVERSITY

Satisfying the requirements detailed below means only that applicants are eligible for selection; it does not guarantee that a place will be offered.

Routes of entry into undergraduate study at Murdoch University are described for applicants who have recently completed secondary school (School Leavers) and for applicants who are 'mature age'. The fundamental difference between the requirements for these categories is the age of the applicant.

Further information on the Australian Qualifications Framework (AQF) referred to below can be obtained from:

<http://aqf.edu.au/>

## School Leavers (Recent School Completion)

For the purpose of admitting students at the beginning of the year, a school leaver is a person who is under 20 years of age on 1 March in the year of admission, and who has not previously attempted (whether successful or not) any part of a qualification at a recognised tertiary/post-secondary institution. For mid-year admission, the age requirement becomes under 20 years of age on 1 August in the year of admission. School leavers will be considered on the basis of secondary education from Western Australia, interstate or overseas.

An applicant who is not a school leaver should see admission requirements for Non-School Leavers below. Applicants must note that possession of the qualifications detailed below means only that they are eligible for selection; it does not guarantee that a place will be offered.

Applications will be considered from applicants who will be aged less than 20 years as at 1 March of the proposed year of admission (or as at 1 August if starting mid-year), and who have:

- a) completed the final two years of secondary education (Years 11 and 12) as defined by the Curriculum Council of Western Australia or an equivalent final year of secondary education interstate or overseas (for example, Malaysian STPM, GCE 'A' levels, Chinese Gao Kao), and obtained the Western Australian Certificate of Education (WACE) or its interstate or overseas equivalent as approved by the Committee on University Entrance;

and

- b) demonstrated English language competence through achieving either of the following:

(i) a combined scaled score of 50 or more in English, Literature or English as an Additional Language/Dialect for those who are eligible to take this subject;

or

(ii) an equivalent level of English language competence as approved by the Committee on University Entrance. Applicants with qualifications from overseas will be required to provide satisfactory evidence of their competence in English via approved assessment;

and

c) achieved either of the following:

(i) a sufficiently high Australian Tertiary Admission Rank (ATAR), or its equivalent as approved by the Committee on University Entrance, to gain an offer of a place in a course;

or

(ii) a qualification at the AQF Certificate IV level or above, as assessed under the Australian Qualifications Framework.

Applications will also be considered under these criteria from those who have officially concluded their secondary schooling without satisfying (a) and (b) above but who have subsequently achieved satisfactory performance in a formal qualification at a recognised tertiary institution.

Applicants who meet the age requirement but who do not satisfy the other requirements above will not normally be eligible for entry to Murdoch University. Further information and counseling as to the options that are available can be obtained from The Student Centre.

### **Interstate/International School Leavers**

Applications will be considered from any applicant who has completed an equivalent final year of secondary school interstate or overseas (for example, Malaysian STPM, GCE 'A' levels, Chinese Gao Kao). Applicants with qualifications from overseas will be required to provide satisfactory evidence of their competence in English via an approved examination.

Applicants who are under 20 years of age on 1 March in the year of admission but who have met the criteria above (or its interstate or overseas equivalent as approved by the Committee on University Entrance) and successfully completed studies at a tertiary institution may be considered for entrance as mature-aged applicants under the Mature Age guidelines below.

### **Mature Age**

Applications are welcomed from applicants who can present evidence that demonstrates capacity for tertiary study.

Applicants who have reached the age of 20 years by 1 March of the proposed year of admission (or by 1 August if starting mid-year) may meet entry requirements through any of the following:

- a) Achievement of the requirements for School Leaver entry; or
- b) Satisfactory performance in the 'mature age' ATAR; or

c) Satisfactory performance in a formal qualification at a recognised tertiary institution; or

d) Completion of a qualification at the Australian Qualifications Framework (AQF) Certificate IV level or above, as assessed under AQF; or

e) Satisfactory performance in both the Written and either of the Verbal or Quantitative components of the Special Tertiary Admissions Test (STAT); or

f) Acceptable work experience; or

g) A detailed personal submission and resume of their occupational, educational and personal experience that may indicate their capacity for tertiary study — note that very few applicants gain admission by this method alone; or

h) Other criteria defined as acceptable by the Committee on University Entrance.

In addition to meeting the above requirements, all mature-aged applicants are encouraged to submit a personal statement of approximately one page with their application. The statement should address the following:

Why the applicant wishes to study the Murdoch course for which he/she is applying.

Why the applicant believes he/she is likely to be able to study successfully at Murdoch University.

What the applicant proposes to do with the Murdoch qualification after graduation.

If the applicant has any fails/late withdrawals from prior tertiary/post-secondary studies, what the reasons were for the unsatisfactory performance and how the circumstances leading to the unsatisfactory performance have changed.

Any other information that is relevant and would strengthen the application, such as work experience in the field of study.

Applicants for admission to certain courses (including Chiropractic, Law, Nursing, Psychology and Veterinary Science) whose application is based on a method of admission other than (a) are required to submit a personal statement as described above. A full list of these restricted courses can be obtained from The Student Centre.

Note: For all courses, Murdoch University reserves the right to limit the number of places available for Australian citizens, permanent residents and international students.

### **Prerequisites**

Aside from the English competency requirement, there are currently no Part 2 or 3 (or equivalent) subject prerequisites for admission to undergraduate courses at Murdoch University. Some first year units, particularly in the Science area, assume successful completion of relevant Year 12 (or equivalent) subjects; however, appropriate preparatory units are available if this is not the case.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

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## **APPLICATION PROCESS**

### **Domestic Applicants**

Domestic applicants are applicants who are Australian citizens, permanent residents of Australia, or New Zealand citizens who are eligible for admission to a Commonwealth-Supported place. All



other applicants should refer to International Applicants below.

For entry into first semester, an online application process is available through the Tertiary Institutions Service Centre (TISC). A TISC Guide to this process may be purchased from most newsagents.

Applications should be lodged with TISC generally by the last Friday in September of the year preceding admission. However, on payment of a late fee, applications will be accepted by TISC until the end of November, and still be considered in the main round of TISC offers, or accepted after that until late January in the year of admission and still be considered for the second round of TISC offers.

Only one application form can be submitted. Applicants may nominate in order of preference up to six courses at one or more of the participating tertiary institutions (Murdoch University, Curtin University of Technology, Edith Cowan University, University of Western Australia).

For entry into second semester, an online application can be submitted direct to the University or application forms may be downloaded from the Murdoch web site or obtained from The Student Centre.

### **Readmission**

Applicants who have previously been enrolled at Murdoch University (even if no unit was completed) and have been away from the University for two or more semesters must also apply through TISC. Murdoch graduates seeking admission to Juris Doctor must apply through TISC.

### **Deferred Admission**

Provision exists for applicants who are offered an undergraduate place at Murdoch University to defer their place for one year. Applicants who defer will only have a place held for them in the original course offered. Deferred students will be automatically re-offered in the subsequent admission period so it is important that changes of address are advised to the University. Applicants requiring a longer deferral period for special circumstances can apply for it in writing to The Student Centre.

### **Contact details for TISC**

Tertiary Institutions Service Centre  
100 Royal Street  
East Perth WA 6004  
Telephone: (08) 9318 8000  
Facsimile: (08) 9225 7050  
<http://www.tisc.edu.au>

### **International Applicants**

International students may apply to enrol at the University as full-fee-paying students, paying the full cost of tuition for their chosen course. Most undergraduate and postgraduate courses are available for full-fee enrolment. Qualified students may apply to commence study in either Semester 1 (commencing mid February) or Semester 2 (commencing early August). Closing dates are 1 December and 1 June in the year prior to and the year of admission, respectively.

Further enquiries on tuition fees, eligibility and application procedures should be directed to The Student Centre.

Information on financial assistance can be obtained through Australian Government diplomatic posts overseas.

## **MAJORS**

In Bachelor-level courses, a major is a grouping of academically coherent units approved by Academic Council that prescribes up to 12 Part I credit points (unless Academic Council has approved more), inclusive of a Foundation Unit and 24 or more Part II credit points.

### **Double Majors**

Students may enrol in double majors. However, where units can be counted towards the requirements of two majors, the structure (core units plus specified elective units) at Part II level must ensure that at least 12 Part II credit points from each major cannot be counted towards the other, assuming that the choice of specified elective units has minimised this difference.

Where a pair of majors includes too few credit points of difference then students may not complete a double major in that combination. These 'Excluded Double Majors' are recorded under the relevant course description in the Bachelor and Honours Degrees section of this Handbook.

It is not possible for the teaching timetable to avoid all unit clashes, but it seeks to do so for the popular double majors.

### **Transfers Between Majors**

An enrolled student is entitled to apply to transfer to any course and associated major that is not restricted by Academic Council. Where a restriction on admission to a major has been approved by Academic Council, a student may apply for admission to that major in accordance with procedures approved by the Council. Applications to transfer majors are considered at the end of each semester and follow the same procedures and deadlines as for transfer between courses.

Students may add and discontinue other, non-restricted majors that are not associated with their course at any time via MyInfo: for further information see Unit Sets in Study at Murdoch: A General Guide above.

### **Changes to the Structure of Majors**

When there is a change to major requirements, students already enrolled in the major are not subject to any additional requirements. However, they may elect to meet all the requirements of the new structure. This should be discussed with The Student Centre.

### **Change in Terminology**

Prior to 2002 Murdoch offered 'programmes', which had 'streams' in particular areas. Students who were enrolled prior to 2002 and complete these streams will have that recorded on their academic transcript, provided the student has completed the parent programme and degree, and has completed all the unit requirements of the stream with a grade of Pass or higher (or by being formally exempt from the unit).

## **MINORS**

A minor is a recognised set of academically coherent related units, approved by Academic Council, that prescribes 11 to 19 credit points, with no more than 9 Part I credit points and at least 8 Part II credit points. At least 6 Part II credit points cannot be counted towards a major or another minor.

A minor can be within or outside the area of a student's major and has the purpose of specialisation or diversification.

Where there is excessive overlap between a major and a minor, or between two minors, students are excluded from enrolling in that combination. These exclusions are listed in the Bachelor and Honours Degrees and Minors sections of this Handbook. Further details can be found in the University's Commonality between Majors and Minors policy or by contacting The Student Centre.

Successful completion of minors is recorded on academic transcripts if the student has nominated the minor(s) before completion of the degree.

Students can manage their enrolment in most minors online via MyInfo: for further information see Unit Sets in Study at Murdoch: A General Guide above.

For details of minors offered, see the Minors section of this Handbook.

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## UNITS

### **Part I Credit Points in the Undergraduate Degree**

Normally a degree includes 24 Part I credit points, but it must include at least 18 and no more than 30 Part I credit points. Students may enrol in one or more Part I units during Part II of their degree, provided the total number of Part I credit points (including credit) in the degree does not exceed 30. If the Part I enrolment exceeds this limit, only 30 credit points will be credited towards the course and degree requirements.

### **Enrolment in Part II Units while a Part I Student**

A Part I student may not enrol in a Part II unit unless the student has completed 18 credit points (including any credit) and passed a Foundation unit. Any other Part I student seeking to enrol in a Part II unit must obtain approval of their Academic Chair via The Student Centre.

### **Foundation Units**

The primary purpose of University Foundation units is to enable students new to the University to develop a range of generic learning skills in a context that develops a broad perspective. These units provide a foundation for subsequent university studies and a basis for the development of Murdoch University's Graduate Attributes.

The Foundation units offered cover a range of topics, with each unit developing an interdisciplinary approach to a particular theme, problem or issue, and drawing on the resources and skills of staff from several disciplines.

Students are free to choose from the Foundation units available at the campus at which they are enrolled, and are encouraged to enrol in a unit in a subject area that is different from their major. No prerequisites are required for any of the Foundation units.

Students are required to take a Foundation unit in their first semester of enrolment. Part I students must pass a Foundation unit and be credited with 18 credit points, including the Foundation unit, before they can enrol in any Part II unit. A student shall not enrol in more than one Foundation unit.

Each Foundation unit is worth 3 credit points and involves two hours of lectures, two hours of tutorials and six hours of independent study per week and includes online components. The assessment in each unit is based on a combination of written

material (usually essays), tutorial participation, an oral presentation (internal students only) and a two-hour final examination.

Foundation units facilitate the transition into university studies by helping to develop a range of skills, in particular communication and critical thinking skills. In line with the Graduate Attributes, all units will help students develop their skills in the following areas:

Communication: speaking, listening, reading, writing, numeracy, and information literacy skills;

Critical thinking: summarising, critically analysing, and synthesising knowledge in exploring themes, problems or issues;

Independent and lifelong learning skills: developing organisational and time management skills, research skills, and skills in preparing for assessments;

Social interaction: collaboration and negotiation skills (on-campus students only) and the ability to participate in academic discussions in tutorials and to demonstrate tolerance and mutual respect;

Interdisciplinarity: understanding the value of different disciplines for addressing themes, problems or issues, and demonstrating the integration of knowledge from more than one discipline;

Ethics: understanding and demonstrating the concept of academic integrity in assessments;

Social justice: knowledge of other cultures, particularly indigenous cultures;

Global perspective: an understanding of the global implications of themes, issues or problems in the unit.

The availability and descriptions of Foundation units can be seen in the Units section of this Handbook.

### **Introduction to University Learning**

The unit Introduction to University Learning (TLC120) is not a Foundation unit but a Part I general elective designed to develop generic university learning skills in more depth than in the Foundation unit. TLC120 is offered internally and externally in both semesters at Murdoch campus, and internally in both semesters at Rockingham campus. TLC120 is also offered in the winter term at the Murdoch campus.

TLC120 provides guidance to develop important academic and study skills for success at university by developing key theoretical understandings, academic skills, and confidence. The unit focuses on the culture and expectations of university, the nature of knowledge, and understanding yourself as a learner. It develops essential academic skills, including writing, reading, note making, referencing, critical thinking, time management and discussion skills.

Students enrolled in Foundation units who feel they would benefit from additional learning skills support or students who wish to improve their academic skills and understanding are strongly recommended to enrol in TLC120. The unit will complement and extend the skills and understanding necessary for successful university study developed in Foundation units. Students can enrol concurrently in both the Foundation unit and TLC120, or TLC120 can be taken in the following semester.

The unit commences in Week 3 of semester and runs to Week 14, and is based broadly in the Social Sciences and Humanities. The unit is appropriate for students in the Faculties of Arts and Education, Creative Technologies and Media, and Law and Business.

For further details, see the unit description in the Units section of this Handbook.

## **Rocket Science: Academic Skills for Science Students**

Rocket Science (TLC123) is not a Foundation unit but a Part I general elective designed to develop generic learning skills used in the Sciences beyond those covered in the Foundation units. TLC123 is offered internally only, in both semesters at Murdoch campus and in Semester 1 at Peel campus.

This unit is aimed at all Science students, including Physical, Life and Health Sciences, and Psychology. It focuses on academic culture and the processes that underpin Science and the scientific method, while exploring the historical development of scientific knowledge, the relationship between scientific knowledge, worldview and paradigm shifts and the role of scientists in the wider community. This unit increases student confidence in skills in scientific report writing. Practical skills covered include writing, reading, referencing and research skills, critical thinking, numeracy, graphs, Excel and time management.

Science students enrolled in Foundation units who feel they would benefit from additional learning skills support, particularly Science related skills, or those wishing to improve their academic skills and understanding are strongly recommended to enrol in TLC123. Students can enrol concurrently in both the Foundation unit and TLC123, or TLC123 can be taken in the following semester.

TLC123 lectures and tutorials do not begin until Week 3; information sessions are held in the regular lecture timeslot in Weeks 1 and 2. Students may enrol directly into TLC123 or they may be referred to the unit by Foundation unit tutors or Unit Coordinators.

For further details, see the unit description in the Units section of this Handbook and contact the Unit Coordinator.

# Honours Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: a General Guide in this Handbook.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements: for guidance see the Legislation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre and from the Honours Policy at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legalandgovernance@murdoch.edu.au](mailto:legalandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/goto/Honours>

## Revised Regulations

Information in this Handbook reflects the new Coursework Regulations, which take effect on 1 January 2011. For 2010 information, see the 2010 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

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## STRUCTURE OF HONOURS DEGREES

Individual honours course descriptions and requirements appear in the Bachelor and Honours Degrees section of this Handbook. Further information can be obtained from The Student Centre.

Honours normally requires an additional academic year of study (24 credit points) after completion of the ordinary bachelor's degree. The exceptions to this are:

Bachelor of Theology (BTheol): an additional 12 credit points are required;

Bachelor of Psychology (Honours): a distinct honours version of the Bachelor of Psychology, leading to Honours in the fourth year.

(The University is in the process of altering its award of Merit Honours to an award of Bachelor's degree with Distinction or with High Distinction. Please check the online Handbook at a later date.)

Each honours student has an individual and distinctive honours project and program of study, which must be approved by the Dean of School following recommendation by the appropriate Honours Sub-Committee by the end of the third week of the first semester of the student's honours enrolment. The honours program of study details the thesis topic area, length, production component, submission date and supervisor(s); details of any coursework including credit points value, enrolment option, method(s) of assessment, and supervisor(s); and when each honours component will be taken. The student shall be involved in drafting the honours program of study and shall be given a copy of the approved program of study no later than seven days after its approval. The School Dean should also arrange to send a copy of the study program to the supervisor(s) of the thesis and to the supervisor(s) of any individualised components.

The amount of coursework varies considerably between honours courses, ranging from 16 credit points to none.

Where an honours course requires an additional period of study, this must be at 400-level, but may include up to 4 credit points at 200/300-level and up to 8 credit points at 500/600-level. This can include units offered by other courses or universities. (Honours

students whose first degree is from another university cannot include units at other universities, as at least 24 Murdoch credit points are needed to take out a Murdoch degree.) Coursework may include individualised honours components, but the terminology 'Independent Study Contract' is not applicable at honours level.

For those degrees where honours constitutes 24 credit points distinct from the requirements for an ordinary degree, the honours course shall be completed within no more than three years, including periods of broken enrolment arising from exclusion, approved leave, non-enrolment or any other cause.

## Changes to the Honours Program of Study

Any change to the approved honours program of study requires the approval of the student, supervisor(s), Honours Sub-Committee Chair and the Dean of School.

## Honours Thesis

There are University guidelines on the format of honours theses. These are available in the Honours policy.

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## APPLICATION PROCESS

Applicants for honours may apply online or via The Student Centre.

Each School and Faculty establishes its own minimum requirements for admission. Normally, subject to the availability of a suitable supervisor, students who have obtained Distinctions or better in most Part II units taken in the area of the proposed honours course will be admitted to honours. Graduates of other universities with equivalent backgrounds may also apply for admission to honours at this University.

Applications for honours for the following year close towards the end of November to ensure sufficient time for consideration by the Faculty, however late applications will be accepted. Students completing their Murdoch degree mid-year may apply in May to commence honours in Semester 2.

Honours studies for the degree of Bachelor of Theology normally begin one semester prior to completion of the Bachelor of Theology ordinary degree.

Enquiries about entry to specific honours courses should be directed to The Student Centre or to the Academic Chair.

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## WITHDRAWAL/INTERMISSION/TRANSFERS/EXTENSIONS

Students wishing to withdraw from a component of an honours course (or to postpone a component to another semester) should do so before the census date, as any changes after then will be recorded on their academic transcript, will increase their fee liability and will not entitle them to extra time to complete their honours. Withdrawals and failures in honours components are taken into account when arriving at the final class of honours, but neither necessarily disqualifies the student from graduating with honours.

Where a student withdraws from the entire honours course before the commencement of the second semester of enrolment (or third semester, in the case of a part-time student), this is not treated as an attempt. Withdrawals after then are regarded as an attempt. A student is permitted only one attempt at an honours course within a

disciplinary area or group of closely related disciplines. Students who withdraw from honours do not receive any academic credit towards Honours for any coursework already completed; there is only a total 24 credit points credited when honours is awarded.

If a student needs to suspend (have approved leave for) their honours enrolment, an application should be submitted to The Student Centre. Approved leave may be granted for a maximum period of two consecutive semesters. Students who are granted approved leave for one or two semesters will need to change their program of study. In some cases this may require changes to the components of the honours course, or of supervisor.

A student enrolled in one honours course may apply for entry into an alternative honours course within two weeks of commencing; if offered a place, the student must withdraw from the initial honours course before accepting the offer.

# Postgraduate Studies: a General Guide

The following information should be read in conjunction with Study at Murdoch: a General Guide in this Handbook.

It is important that students also read the legislation relevant to their studies so that they are familiar with all of the requirements: for guidance see the Legislation section of this Handbook.

Further information on all of these topics can be obtained from The Student Centre.

## Revised Regulations

Information in this Handbook reflects the new Coursework Regulations, which take effect on 1 January 2011. For 2010 information, see the 2010 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

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## COURSES

### Graduate-Entry Bachelor Degrees and Honours Degrees

Course descriptions and requirements are set out in the Bachelor and Honours Degrees section of this Handbook.

### Certificates and Diplomas

Course descriptions and requirements are set out in the Graduate and Postgraduate Courses section of this Handbook.

### Postgraduate Coursework Degrees

Most Coursework Masters degrees include a dissertation or project. Course descriptions and requirements are set out in the Graduate and Postgraduate Courses section of this Handbook.

### Intermediate Awards

Students undertaking a course that is part of a suite of postgraduate courses, for example Master's, Postgraduate Diploma and Postgraduate Certificate, may elect also to be awarded the lower-level qualifications on completion of the highest-level qualification.

### Postgraduate Research Degrees

Candidature is offered in all Schools. The University encourages research in inter-disciplinary areas as well as in the basic disciplines. Course descriptions and requirements are set out in the Graduate and Postgraduate Courses section of this Handbook.

For a full-time student, the normal minimum period of candidature is 18 months for the MPhil, one year for the LLM (Research), three years for the PhD and 18 months for the Research Masters (with training). The maximum periods are two years for the MPhil, one year for the LLM (Research), four years for the PhD and 18 months for the Research Masters (with training). These periods are doubled for part-time students.

Information on the areas in which postgraduate research degrees may be undertaken is available in the Research Degrees Prospectus from The Student Centre and the HDR Services Office.

## Professional Doctorates

Course descriptions and requirements are set out in the Graduate and Postgraduate Courses section of this Handbook.

The University offers Professional Doctorates by advanced coursework and thesis. Course descriptions and requirements are set out later in this Handbook. Students are advised to read this information in conjunction with relevant legislation: see the Legislation section of the Handbook for more information.

The major differences between professional doctorates and the Doctor of Philosophy (PhD) are that the former include substantial coursework (a PhD normally includes no coursework), and that the thesis must make a distinctive contribution to the profession (a PhD thesis must make a distinctive contribution to the knowledge of the subject with which it deals).

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## ADMISSION REQUIREMENTS

Specific admission requirements for graduate and postgraduate courses are recorded in individual course descriptions.

### English Competence

The language of instruction is normally English; any variation is recorded in the offerings of relevant courses.

Unless otherwise specified in individual course admission requirements, all applicants will be required to provide satisfactory evidence of their competence in English, as per undergraduate admission: see Bachelor Studies: a General Guide.

Some courses have specific English requirements over and above those required for general postgraduate study: these are recorded in individual course entries.

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## APPLICATION PROCESS

### Domestic Applicants

Domestic applicants are applicants who are Australian citizens, permanent residents of Australia or New Zealand citizens. All other applicants should refer to the International Applicants information below.

### Graduate-Entry Bachelor Degrees, Honours Degrees, Certificates and Diplomas

End-of-year application forms for the Graduate Diploma in Education (Primary) and (Secondary) will be available at the end of August prior to the year of admission, and must be lodged with TISC by early November. All end-of-year applicants seeking admission to Juris Doctor at Murdoch University should also apply through TISC through their online process.

All other applications should be submitted either online or in hard copy to The Student Centre. Closing dates vary.

All mid-year applications should be submitted either online or in hard copy to The Student Centre.

### **Postgraduate Coursework Degrees**

Applicants for admission must normally hold a Bachelor's degree or its equivalent in an area relevant to the proposed course and must have had satisfactory preparation for the course through previous studies and/or work experience. See individual course descriptions for more specific entry requirements.

Application deadlines for each course may vary, please review the admission information for each course to determine any additional deadlines or admission requirements. Note that some courses are taught on the trimester calendar.

### **Postgraduate Research Degrees**

Applicants for admission to candidature for MPhil, LLM (Research) or PhD degrees must normally hold at least an upper second-class Honours Bachelor's degree or its equivalent. Applicants with a Bachelor's degree only, but who have evidence of subsequent scholarly or professional attainments providing adequate research preparation, may also be considered. Applicants for admission to the Research Masters (with Training) must normally hold a Bachelor's degree and a graduate course requiring at least one year of full-time study or the equivalent of at least two years of full-time relevant professional experience or demonstrated relevant research capacity, or a four-year degree.

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

Admission for research degrees without coursework is possible throughout the year. Enrolment in Research Degrees with a coursework component is dependent on the dates the coursework is on offer. The closing date for international Postgraduate Research Degree Scholarship applications is the end of September, and the closing date for domestic Postgraduate Research Degree Scholarship applications is the end of October prior to the year of admission. A midyear scholarship application round may take place but is dependant on scholarships being available.

Application forms can be obtained from:

<http://www.murdoch.edu.au/goto/AdmissionApplnFormsResearch>

### **Professional Doctorates**

Applicants must have completed a four-year qualification at an appropriate level (four-year Bachelor's degree, Master's degree, or Bachelor's degree and postgraduate diploma), and have satisfactory preparation including training in research methods.

The closing date for Professional Doctorates and Coursework Scholarships is the end of October prior to the year of admission. Mid-year admission is possible, with applications closing at the end of May.

Application forms can be obtained from:

<http://www.murdoch.edu.au/goto/AdmissionApplnFormsResearch>

The development of an electronic application process is under way, with implementation planned for 2011.

### **International Applicants**

International students may apply to enrol at the University as full-fee-paying students, paying the full cost of tuition for their chosen course. Most undergraduate and postgraduate courses are available for full-fee enrolment. Qualified students may apply to

commence study in either Semester 1 (commencing mid February) or Semester 2 (commencing early August). Closing dates are 1 December and 1 June in the year prior to and the year of admission, respectively.

Further information on tuition fees, eligibility and application procedures can be obtained from The Student Centre.

Information on financial assistance can be obtained through Australian Government diplomatic posts overseas.

Application forms can be obtained from:

<http://www.murdoch.edu.au/Future-students/International-students/Applying-to-Murdoch/Application-forms/>

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## **ENROLMENT**

### **Postgraduate Coursework Degrees**

For information on enrolment (including re-enrolment, changes of unit enrolment, and enrolment options) refer to Study at Murdoch: A General Guide above. However, students are not permitted more than two attempts at any unit, cannot repeat a dissertation, and are not permitted to enrol in more than one course without the approval of the Academic Chairs of the courses and the General Managers, Liaison and Recruitment in The Student Centre.

Students may enrol in units from other Master's courses subject to meeting unit prerequisites and approval of the Academic Chair.

Students need to ensure that their unit enrolment complies with the requirements of relevant legislation: see the Legislation section of the Handbook for more information.

### **Dissertations**

In addition to completing coursework, candidates for most Master's degrees will be expected to complete a dissertation of up to 12 credit points.

In exceptional circumstances an extension to a dissertation may be approved by the Dean of the School, on the recommendation of the Academic Chair. Where an extension has been granted and the work is not submitted by the start of the following semester, the student must enrol for a minimum of three credit points for that semester. This does not gain additional credit towards the degree, but incurs tuition fee liability for that semester.

### **Professional Doctorates**

For information on enrolment matters students must contact HDR Services.

### **Independent Study Contracts**

Students may apply to undertake an independent study contract; this requires the approval of the Dean of the School. Details of the procedure to be followed are above in Study at Murdoch: A General Guide.

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## **RESEARCH CANDIDATURE ACADEMIC PROGRESS AND RE-ENROLMENT**

In August each year, postgraduate research students are required to submit progress reports to HDR Services via their supervisors and the School postgraduate coordinator. Provided that progress has been satisfactory, students will be re-enrolled for the following

year. Continued enrolment also depends upon the satisfactory completion of individual milestones.

From 2011 the annual progress reporting will take place online; information about this will be sent to all research students closer to the date of implementation.

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## **ASSESSMENT**

Unit Coordinators must provide to students, no later than the beginning of the relevant teaching period, a statement of the assessment requirements including assessment methods and weightings. The assessment and grading system used at Master's level is the same as that outlined above in Study at Murdoch: A General Guide.



# University Regulation

Information in this Handbook reflects revisions to University regulations and policies that take effect on 1 January 2011.

For 2010 information, see the 2010 Authoritative Handbook:

<http://handbook.murdoch.edu.au/>

The University's **Student Code of Conduct** sets out standards of conduct and integrity that are consistent with the ethical values and behaviours specified in the Code of Ethics. It is intended to guide students to identify and resolve issues of ethical conduct that may arise.

<http://www.murdoch.edu.au/goto/StudentCodeofConduct>

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## LEGISLATION

Murdoch University's legislation can be found at

<http://www.murdoch.edu.au/goto/Legislation>

Of particular interest to students studying at the University are the following:

- Coursework Regulations
- Fees Regulations
- Higher Doctorate Regulations
- Library Regulations
- Postgraduate Research Degrees Regulations
- Professional Doctorate Regulations
- Student Appeals Committee Regulations
- Student Discipline Regulations
- Student Loan Regulations

Rules for the Conduct of Examinations

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## POLICIES AND GUIDELINES

Murdoch University's policies can be found at:

<http://www.murdoch.edu.au/goto/Policies>

Of particular interest to students studying at the University are the following:

- Assessment
- Bulk Email
- Credit and Exemptions
- Conscientious Objection in Teaching and Assessment
- Honours
- Information Technology
- Privacy
- Student Appeals
- Units

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## CODES OF CONDUCT

The University's **Code of Ethics** is a public statement of the ethical principles, values and behaviours expected of members of Murdoch University. The Code can be found at:

<http://www.murdoch.edu.au/goto/EthicsCode>

# Fees and Financial Assistance

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## FEES LEGISLATION

The Fee Rules provide details of Murdoch's fees and charges. The Senate decides which types of fees and charges may be imposed, by listing them in the Fees Regulations. The Fees Regulations delegate to the Vice Chancellor the authority to decide all the subsidiary details about fees and charges, by making rules containing this information.

The Fee Rules, the Fees Regulations, and Statute No. 22 — Fees may be found as part of the University legislation:

<http://www.murdoch.edu.au/goto/Legislation>

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## TUITION FEES

The authority to charge tuition and administrative charges is contained in the Fee Rules, the Fees Regulations, and Statute No. 22 — Fees. See the University legislation:

<http://www.murdoch.edu.au/goto/Legislation>

### Australian Students

Full details of the tuition fees for each unit of study, the tuition fees policy and the policy on refunds are available via the online Course Fee Calculator:

<http://www.murdoch.edu.au/goto/CourseFeeCalculator>

Payment of tuition fees is normally required by the due date of the invoice or the census date. If fees remain unpaid as of the census date, the student's enrolment may be cancelled and a late payment charge may be payable.

Some summer and winter term undergraduate units may only be available on a full fee-paying basis.

### International Students

All international students in Australia, other than exchange students and citizens of New Zealand, are required to pay the full cost of tuition.

The tuition fee payable by each student is as stated on the Letter of Offer. After the first semester of enrolment, payment of tuition fees is required by the end of week one of each semester. If fees remain unpaid at that date, the student's enrolment may be cancelled or a late payment charge may be payable.

If a student transfers to another course then they are liable for the tuition fees that apply to the new course at the rate applicable in the year of the transfer. Tuition fees for courses from 2009 on are increased each year, normally by the Consumer Price Index (CPI) rate applying to education services.

International students on a student visa must maintain a full-time study load of 12 credit points each semester and complete within the timeframes of their student visa. International students intending to modify their study load must confirm with The Student Centre prior to any change.

The Student Centre provides full details of the tuition fees policy and the policy on refunds to students when they first enrol at the

University.

### Unit Charges

In a small number of units students are required to pay a surcharge for special training or access to equipment, to purchase some of their own equipment (for example, a dissecting kit) for use during the unit, or to pay for their own food and accommodation at an optional field camp. Reference to this is made in the unit or course description. In addition, students are required to wear protective clothing and footwear in laboratories.

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## HIGHER EDUCATION LOAN PROGRAMME (HELP)

From 1 January 2005 all Australian Citizens and holders of permanent humanitarian visas are able to access loans to pay their tuition fees under the Higher Education Loan Programme (HELP). New Zealand citizens and other permanent visa holders can only receive HELP in certain circumstances (under transitional arrangements for continuing students or for bridging courses for overseas-trained professionals.)

HELP loans are repaid through the tax system on an income-contingent basis. The minimum HELP repayment threshold for compulsory repayments is \$43,151 (indexed) in 2010, and the bonus for voluntary repayments is 10 percent from 1 January 2005. The HELP loan debt is indexed according to the CPI and is otherwise interest free.

There are three types of HELP available for eligible students:

HECS-HELP — to assist eligible Commonwealth-supported students pay their student contribution. There are two types of HECS-HELP assistance: the HECS-HELP loan and the HECS-HELP discount;

FEE-HELP — to assist eligible fee-paying students pay their tuition fees; and

OS-HELP — to assist eligible Commonwealth-supported students who wish to study overseas on exchange programs.

All new Commonwealth-supported students must complete an online Commonwealth Assistance Form detailing their choice of support at the time of initial enrolment and before the census date for their first unit of study. All students wishing to access a HECS-HELP loan must provide their Tax File Number. Failure to fill out the correct form, or to provide their Tax File Number if accessing loan assistance, will result in cancellation of enrolment. When students change between different awards a new Commonwealth Assistance Form must be completed. Students can change their choice of support before the census date of a unit.

Domestic fee-paying students who wish to access FEE-HELP must complete an online Commonwealth Assistance Form and provide their tax file number before the census date for the unit of study.

### HECS-HELP

All students admitted to a 'Commonwealth-supported place' at Murdoch are required to pay a 'student contribution amount' towards the costs of their course, unless they are exempt. How the student contribution amount is paid depends on a student's citizenship status.

Australian Citizens and permanent resident humanitarian visa holders are eligible for HECS-HELP assistance and can pay their student contribution in one of three ways:

- Full up-front payment and receive a 20 percent HECS-HELP discount;
- Partial up-front payment (with a 20 percent HECS-HELP discount applicable on amounts of \$500 or more) and obtain a HECS-HELP loan for the remainder; or
- Obtain a HECS-HELP loan for the full amount.

Permanent humanitarian resident visa holders must reside in Australia for the duration of their course (unless otherwise required by the course) to access HECS-HELP assistance.

All New Zealand and Australian permanent resident visa holders must reside in Australia during the teaching period, unless the requirements of their course provide otherwise, to maintain access to their Commonwealth-supported place

New Zealand citizens and other permanent resident visa holders are not eligible for HECS-HELP assistance and must pay their student contribution up front without a discount.

Students are exempt from paying the student contribution if they have an Exemption Scholarship, a Research Training Scheme place, a Merit-Based Equity Scholarship, or are undertaking work experience in industry where the University is not providing learning and performance support.

### **FEE-HELP**

All students admitted to a Domestic Tuition fee-paying place at Murdoch are required to pay tuition fees. How the student contribution amount is paid depends on a student's citizenship status.

Australian Citizens and permanent resident humanitarian visa holders are eligible for FEE-HELP assistance and can pay their student contribution in one of three ways:

- Full up-front payment;
- Partial up-front payment and obtain a FEE-HELP loan for the remainder; or
- Obtain a FEE-HELP loan for the full amount.

Permanent resident humanitarian visa holders must reside in Australia for the duration of their course (unless otherwise required by the course) to access FEE-HELP assistance.

Other permanent resident visa holders who are undertaking an eligible bridging course for overseas-trained professionals may access FEE-HELP assistance if they will be resident in Australia for the duration of the unit of study.

New Zealand citizens and other permanent resident visa holders are not eligible for FEE-HELP assistance.

There is a lifetime limit of \$85,062 (2010 figure) for all courses except medicine, veterinary science and dentistry, for which the limit is \$106,328 (2010 figure) for FEE-HELP assistance.

A 20 percent loan fee is applied to FEE-HELP loans provided for undergraduate courses. The loan fee does not count towards the limit.

### **OS-HELP**

OS-HELP provides financial assistance to eligible Commonwealth-supported students who undertake part of their course overseas. OS-HELP is distinct from HECS-HELP and FEE-HELP

in that it involves a cash payment directly to the student receiving the loan. Only a limited number of OS-LOANS are available and students are required to apply. Details on the application and selection process are available from The Student Centre.

To be eligible for an OS-HELP loan

- the student must be an Australian citizen or the holder of a permanent humanitarian visa,
- the student must be Commonwealth-supported and enrolled in an undergraduate course of study, and
- the overseas study must count for credit towards the course.

Students cannot receive an OS-HELP loan for the first year or last semester of their course of study. Students may only receive up to two loans over their lifetime and may only receive up to \$5523 per loan. Loans are provided in respect of a six-month period and if a student receives two OS-HELP loans, the two six-month periods must not coincide or overlap. Because loans are in respect of a six-month period, rather than a unit of study, there is no census date for OS-HELP. Students incur their OS-HELP debts the day they are paid their loan amount — this day is the 'OS-HELP debt incurral date'. A 20 percent loan fee is applied to all OS-HELP loans incurred prior to 2010. This loan fee was removed for OS-LOANS incurred after 1 January 2010.

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### **YOUTH ALLOWANCE/AUSTUDY/ABSTUDY**

Full-time students enrolled in an approved course could be eligible for the Commonwealth Government's Youth Allowance and Austudy schemes. Students of Aboriginal or Torres Strait Islander descent may apply for comparable assistance under the ABSTUDY scheme.

Further information about Youth Allowance, Austudy or ABSTUDY is available from the nearest Student Assistance Centre of Centrelink.

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### **MURDOCH STUDENT LOANS**

Students may apply for emergency cash loans of up to \$200 from the Murdoch Student Loan Fund. Such loans must normally be repaid within two weeks. Longer-term loans of up to \$1000 are also available from the Murdoch Student Loan Fund (repayable within one year). Application forms are available at The Student Centre for International students and the Equity Access and Diversity Office for domestic students.

Loans are not given to assist in the payment of Murdoch University fees; students experiencing difficulty in paying fees should apply for an extension instead. Extensions to the payment date for Commonwealth-supported students are not permitted by Commonwealth legislation.

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### **SCHOLARSHIPS**

Murdoch offers a large variety of scholarships that provide for undergraduate, honours, postgraduate by coursework, and research study, and cater for a range of different personal circumstances.

For example: financial assistance in the form of one-off payments of \$1000; funds to assist students studying part of their Murdoch degree overseas; or an allowance to live on whilst undertaking a research project.

The majority of scholarships on offer are aimed at those in need of financial support, rather than being reserved for high flyers.

For information about the types of scholarships available, opening and closing dates and how to apply, visit the scholarships pages for:

Undergraduate, honours and postgraduate by coursework:

<http://www.murdoch.edu.au/goto/Scholarships>

Research:

<http://www.murdoch.edu.au/goto/ResearchScholarshipsApplnForms>

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### **UNIVERSITY MEDALS**

Up to seven Medals may be awarded each year for outstanding academic performance by undergraduate students.

Medals are awarded to students who in that year completed an ordinary bachelor degree, or an honours degree not requiring an additional period of study than the ordinary degree. Students may only be considered for a University Medal once.

To be eligible, students must have completed at least 48 credit points of graded Murdoch University units, irrespective of the length of the degree. Students completing graduate-entry bachelor degrees are eligible if the degree is at least 48 credit points.

University Medallists are chosen from among those who most consistently top their classes and have achieved a graduating course Grade Point Average of at least 3.25. Medallists shall receive a framed certificate, a silver medal and a cheque for \$1500.

Award of the Medal is recorded on the student's academic transcript, an honour board and the University web site:

<http://www.murdoch.edu.au/goto/UniversityMedallists>

The University Medals Policy can be found via the Policies Index at the following URL. Staff can log in to view the Policy; others should contact the Office of Legal and Governance at [legallandgovernance@murdoch.edu.au](mailto:legallandgovernance@murdoch.edu.au):

<http://www.murdoch.edu.au/goto/Policies>

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### **VICE CHANCELLOR'S COMMENDATION FOR ACADEMIC EXCELLENCE**

This award recognises academic excellence amongst the students enrolled in the ordinary Bachelor's degree (or in the Honours degree if this does not involve an additional year). Students are assessed at each 24-credit point mark in their degree.

Recipients have the award recorded on their academic transcript and are given a certificate to mark the achievement at a presentation ceremony.

## **FACULTY AND SCHOOL PRIZES**

All prizes are awarded annually for the best academic performance in the studies specified, except where shown otherwise.

### **Division of Academic Affairs**

City of Rockingham Prize	\$500	any course at the Rockingham campus; student must have been resident in the City of Rockingham for at least 2 years prior to accepting the prize
Community Development and Social Justice Award	\$1500 (\$250 per recipient)	outstanding contribution to Murdoch University in the area of social justice and community development; six annual prizes
Roberta Cowan Prize for Information Literacy	\$150	undergraduate or postgraduate student demonstrating ability to effectively use the full resources of the Library

### **Kulbardi Centre**

Kulbardi Aboriginal Tertiary Entrance Course (KATEC) Commitment Prize	\$500	successful completion of Part 1 of the program, and commitment to studies and involvement within the Kulbardi Centre community
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### **Murdoch Business School**

Association of Chartered Certified Accountants (ACCA) Prize in Accounting for Managers	\$300	MBS513 Accounting for Managers
Australian Institute of Management Prize	12 months' Affiliate Membership of AIM plus training to the value of \$200	Management major
Australian Taxation Office Prize in Taxation	\$1000	aggregate mark across BUS313 Taxation and BUS315 Topics in Taxation
Australian Taxation Reporter Prize	12-month subscription (value \$360) to Australian Taxation Reporter	MBS514 Taxation
Chamber of Commerce and Industry MBA Prize	\$500	Master of Business Administration graduand
Chamber of Commerce and Industry Prize in Economics	\$300	Economics final year
Chamber of Commerce and Industry Prize in Human Resource Economics	\$200	BUS375 Human Resource Economics
Chartered Institute of Management Accountants Prize in Management Accounting	\$275 plus one year's subscription to CIMA's magazine 'Financial Accounting'	BUS227 Management Accounting
Chartered Secretaries Prize in Company Law	\$200 plus 12 months' subscription to 'Keeping Good Companies' to the value of \$50	BUS328 Company Law
Clayton Utz Prize in Master of Human Resource Management	\$500	Master of Human Resource Management graduand
CPA Australia Prize for the Best Graduating Student in Accounting	Associate membership of CPA plus balance in cash up to \$1000	graduand completing the requirements for admission to CPA Australia
CPA Australia Prize in Contemporary Financial Accounting	\$500	BUS256 Contemporary Financial Accounting
CPA Australia Prize in Technology and Accounting Processes	\$500	BUS217 Technology and Accounting Processes

Department of Education, Employment and Workplace Relations Prize in Labour Economics Honours	\$500	Honours dissertation in labour economics
Department of Education, Employment and Workplace Relations Prize in Macroeconomics A	\$500	BUS260 Macroeconomics A
Department of Treasury and Finance Honours Prize	\$400	Honours in Economics, BUS463 Australian Economic Policies and Problems - Honours
Economic Society of Australia (WA Branch) Honours Prize	\$200	Economics honours graduand
Economic Society of Australia (WA Branch) Prize	\$200	Economics first year
Energy Resourcing Prize in Business in Sustainability	\$250	first-year student in Sustainability (BBus)
Frontier Software Prize	\$150	MBS617 Human Resource Management Perspectives
Industrial Relations Society of Western Australia Prize	\$250 plus one year's membership	BUS222 Employee Relations and BUS228 Workplace Law, undertaken in the same year
Institute of Chartered Accountants in Australia Prize	\$500	graduand in Accounting major
Institute of Internal Auditors - Australia Prize	membership to the value of \$500	BUS312 Auditing
John and Bella Perry Prize in Commerce	\$150	any year of study in undergraduate Commerce, for a student residing in the Peel region
National Institute of Accountants Prize in Corporate Governance and Accountability	one year's membership and joining fee (current value \$655)	BUS310 Accounting Theory and Accountability
National Institute of Accountants Prize in Master of Professional Accounting	1 year membership and joining fee only (current value \$665)	MBS633 Accounting Theory and Governance
O'Byrne Prize in Finance	\$500	Part II Core Units in the Finance major
Office of the Auditor General Prize in Auditing	\$300	assignment in BUS312 Auditing
RK O'Connor QC Prize in Taxation	\$200	BUS313 Taxation
Stratco Marketing Prize	\$250	group presentation in BUS214 Marketing Management
Western Australian Chinese Chamber of Commerce Prize	\$250	BUS272 Changing Economies of Asia
Yuan-Ren Chao Prize in Chinese Language	\$150	Part II Chinese language units
<b>Rockingham Campus Principal's Office</b>		
City of Rockingham Mayoral Award	\$250 plus framed Certificate of Recognition	academic achievement and contribution to the Rockingham campus
<b>School of Biological Sciences and Biotechnology</b>		
AMGEN Australia Prize in Biotechnology	\$500	aggregate score in BIO270 Biochemistry I, BIO371 Biochemistry II, BIO212 Genetic Engineering and BIO316 Molecular Genetics
Ann Osborn Memorial Prize in Biotechnology	\$150	Biotechnology honours graduand
Australian Biosearch Prize in Biochemistry	\$150	BIO371 Biochemistry II
Emrys Grimley Memorial Prize in Biological Sciences	\$150	BIO152 Cell Biology and BIO103 Environmental Biology, undertaken in the same year
EPA Prize in Conservation Biology	\$500	Conservation and Wildlife Biology graduand with the highest grade point average in the core units
Rosslyn Tilbury Prize in Forensic Toxicology	\$250	BIO314 Forensic Toxicology and PEC340 Instrumental Analysis

WA Naturalists' Club Serventy Memorial Prize	\$500 plus one year's membership of WA Naturalists' Club	practical component in BIO157 Introduction to Australian Biodiversity by an Australian citizen or permanent resident
Wildflower Society of WA (Murdoch Branch) Prize	\$150 in books	BIO265 Plant Diversity
<b>School of Chemical and Mathematical Sciences</b>		
AIMM Women's Auxiliary Prize	\$150	most improved student in Extractive Metallurgy
BHP Billiton Resource Prize in Hydro/Pyrometallurgical Processes	\$500	EXM357 Extractive Metallurgy
BHP Billiton Resources Prize in Extractive Metallurgy	\$500	PEC201 Thermodynamics
Epichem Prize	\$250	Organic Chemistry section of PEC349 Molecular Design
Independent Metallurgical Operations Prize in Mineral Resources	\$500	EXM459 Financial Management, Mineral Resources and Environment or equivalent unit
Independent Metallurgical Operations Prize in Process Mineralogy	\$500	EXM256 Process Mineralogy
Jennifer Searcy Prize in Mathematics and Statistics	\$150	required 200-level units in the Mathematic and Statistics major
Julie Shuttleworth Prize in Mineral Processing	\$250	EXM301 Mineral Processing
Kerry Searcy Prize in Chemistry	\$150	Chemistry student in Semester 1 of PEC144 Chemical Principles
Mathematics and Statistics Staff Prize	\$150	Mathematics Part II units by a Mathematics and Statistics graduand
Nelly Stothers Bayliss Prize in Chemistry	\$150	Chemistry honours
Nicholas Searcy Prize in Analytical Chemistry	\$150	PEC340 Instrumental Analysis
Nicholas Searcy Prize in Applied Mathematics	\$150	MAS182 Applied Mathematics
Nicholas Searcy Prize in Organic Chemistry	\$150	PEC349 Molecular Design
Patricia Searcy Prize in Chemistry	\$150	Semester 1 of PEC140 Introduction to Chemistry
Philip Searcy Prize in Chemistry	\$150	Chemistry student in Semester 2 of PEC144 Chemical Principles
Ronald Searcy Prize in Mathematics (MAS161)	\$150	MAS161 Calculus and Matrix Algebra
Ronald Searcy Prize in Mathematics (MAS261)	\$150	MAS261 Mathematical Methods
Royal Australian Chemical Institute Prize	\$200	Chemistry graduand
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in First Year Chemistry	\$150	PEC144 Chemical Principles and MAS182 Applied Mathematics, undertaken in the same year
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in Second Year Chemistry	\$150	PEC238 Organic Structures and Reactivity, PEC240 Chemical Analysis and PEC247 Chemical Processes, undertaken in the same year
Sardar Gurdit Singh and Sardani Sunder Kaur Memorial Prize in Third Year Chemistry	\$150	graduand in Chemistry (BSc)
SGS Minerals Services Prize in Mineral Science for External Students	\$500	any two Part II Mineral Science required units taken in external mode in any one year, by an external student enrolled in Mineral Science or Extractive Metallurgy majors
Simulus Prize in Extractive Metallurgy	\$500	EXM435 Metallurgical Process and Plant Design
Vanessa Searcy Prize in Chemistry	\$150	Semester 2 of PEC140 Introduction to Chemistry
West Australian Mining Club Prize in Mineral Science	\$500	EXM131 Introduction to Extractive Metallurgy

**School of Chiropractic and Sports Science**

Adam Charlton Memorial Perseverance Award	\$500 plus \$200 voucher for archive books	student who, despite personal challenges during the course of the degree, has persevered with full-time study and completed the requirements of the course
Booragoon Radiology Excellence in Imaging Interpretation Award	\$250	final year Chiropractic student for the best overall performance in imaging interpretation in the third to fifth years of the course
Chiropractic and Osteopathic College of Australasia Dux of Chiropractic, Murdoch University	\$200, free COCA membership for one year, free admittance to all COCA seminars including the COCA National Conference for one year, plus signed certificate; estimated value \$1000	final year student of Chiropractic
Chiropractic Education Australia Ltd Prize	\$150 CEA voucher plus \$75 for framing of certificate	final year Chiropractic student for clinical excellence
Chiropractic Registration Board of WA Award	\$500	standard of clinical professionalism during the fifth-year practicum, taking into account clinical proficiency exams and student clinic feedback from patients and supervisory clinical staff
Chiropractor's Association of Australia (WA) Ltd - The Marcia Cerutti Award	framed certificate plus 12 months' CAA (WA) Membership	demonstrated excellence in practical application in the clinical setting at the Chiropractic Outpatient clinic in CHI584 Clinical Practicum
Chiropractors' Association of Australia (WA) Ltd - The Miriam Minty Award	framed certificate plus 12 months' CAA (WA) Membership	demonstrated commitment to the community and student body in the service of chiropractic, completing CHI584 Clinical Practicum
Chiropractors' Association of Australia (WA) Ltd - The Ross Gilmore Award	framed certificate plus 12 months' CAA (WA) Membership	academic radiology in CHI586 Decision Making in Clinical Imaging and other radiology streams
Chiropractors' Association of Australia (WA) Ltd - The Shirleigh and Douglas Winter Award	framed certificate plus 12 months' CAA (WA) Membership	academic excellence throughout the five years of coursework in Chiropractic
Chiropractors' Association of Australia - National Chiropractic Graduate of the Year	\$1000, membership of the CAA in the first year of practice plus a framed certificate	leadership and academic and clinical excellence in CHI584 Clinical Practicum
DRS Medical Prize for Excellence in Clinical Imaging	\$150	Year 5 Clinical Imaging
Faculty Dean's Encouragement Award in Chiropractic	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Chiropractic
Faculty Dean's Encouragement Award in Sports Science	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Sports Science
Nexus Wealth Prize in Professional Practice Management	\$250	CHI519 Professional Practice Management
Orbit Fitness Functional Rehabilitation Award	\$250	CHI328 Physical Assessment and Rehabilitation
Orbit Fitness Strength and Conditioning Award	\$250	CHI225 Principles of Strength and Conditioning
Sports Chiropractic Australia 'Graduate Award'	\$200, framed certificate, one year's membership to Sports Chiropractic Australia	active involvement in sports care during chiropractic study; displaying excellence and professionalism when representing chiropractic through sport; positive contribution to the ongoing development and advancement of chiropractic; membership of Chiropractors' Association of Australia and of Sports Chiropractic Australia at the time of presentation



Sports Science Service and Dedication Award	\$250 plus plaque	Sports Science or Exercise Physiology student demonstrating a high level of service and dedication to the course, School and University
Sportstek Kinesio Taping Award	\$250 plus framed certificate	final year Chiropractic student with the best understanding of Kinesio Taping
Statewide Oil Prize in Sports and Exercise Prescription	\$250	CHI318 Exercise, Programming and Prescription
<b>School of Education</b>		
CS and DL Sanders Prize in Education	\$150	Bachelor of Education (Graduate) [Primary Teaching or Secondary Teaching]
Early Childhood Teachers' Association Prize	\$100 voucher plus one year's membership to the Association	graduand in Early Childhood and Primary Teaching major with highest achievement in school experience and academic components
Early Years in Education Society Prize	one year's membership of the EYES	Graduate Certificate in Early Childhood Education
Elizabeth Mary Dodd Prize in Education	\$100	Master of Education (Coursework) graduand
Outstanding Achievement in a First Year Primary Education Unit (Rockingham Campus)	\$150	Rockingham offering of EDN112 Understanding Teachers' Work
School of Education Prize for Doctor of Education (EdD)	\$250	Doctor of Education dissertation in the past two years
School of Education Prize for Doctor of Philosophy (Education)	\$250	PhD dissertation in the past two years
School of Education Prize for Excellence in Teaching (BEEd Primary)	\$150	Bachelor of Education (Primary Teaching) (both four-year and graduate-entry) student with the highest ATP result
School of Education Prize for Excellence in Teaching (BEEd Secondary)	\$150	Bachelor of Education (Secondary Teaching) (both four-year and graduate-entry) student with the highest ATP result
Thelma Harley Brown Prize in Education	\$100	Master of Education (Research) graduand
Val Payne Memorial Prize	\$250	second-year student in EDN223 Teaching English and Literacy in Primary Schools
WA Primary Principals' Association Prize (GradDipEd (Primary))	\$150	Graduate Diploma in Education (Primary)
WA Secondary School Executives Association Prize (GradDipEd (Secondary))	\$400	Graduate Diploma in Education (Secondary)
<b>School of Engineering and Energy</b>		
Bureau Veritas Amdel Mineral Processing Prize	\$300	EXM302 Advanced Mineral Processing
Challenger TAFE Prize in Instrumentation and Control Engineering	\$300	Bachelor of Engineering in Instrumentation and Control Engineering (second year)
Daniel Berinson Systec Engineering Prize	\$300	highest average in Industrial Computer Systems Engineering third- and fourth-year units
Engineers Australia Electrical College Max Shean Medal	\$300 plus silver medal	highest weighted average in second, third and fourth year of Electrical Power Engineering or Renewable Energy Engineering
Engineers Australia ITEE College Medal	\$300 plus silver medal	highest weighted average in second, third and fourth year of Industrial Computer Systems Engineering or Instrumentation and Control Engineering
Frank Gillespie Memorial Prize in Physics/Nanotechnology	\$150	final year of Physics and Nanotechnology major
Honeywell Prize in Process Control	\$250	ENG304 Process Control Engineering I

Institution of Engineering and Technology (IET) Prize	certificate plus 2 years' membership upon graduation	ENG453 Engineering Law, Management and Ethics
Jennifer Searcy Prize in Physics - Semester 1	\$150	Semester 1 offering of PEC120 General Physics
Jennifer Searcy Prize in Physics - Semester 2	\$150	Semester 2 offering of PEC120 General Physics
Nicholas Searcy Prize in Applications of Nanotechnology	\$150	PEC261 Applications of Nanotechnology
Nicholas Searcy Prize in Electromagnetism	\$150	PEC232 Electromagnetism
Nicholas Searcy Prize in Modern Physics	\$150	PEC231 Modern Physics
Nicholas Searcy Prize in Physics	\$150	PEC152 Principles of Physics
Nicholas Searcy Prize in Physics of Materials	\$150	PEC317 Physics of Materials
Occasional Prize in Engineering	\$500	Bachelor of Engineering; an occasional prize awarded at the discretion of the School
Outstanding Achievement in First Year Engineering	\$150	Engineering first year units
Outstanding Achievement in Second Year Engineering	\$150	Engineering second year units
Outstanding Achievement in Third Year Engineering	\$150	Engineering third year units
Physics and Nanotechnology Staff Prize for Service	\$250	Part II or postgraduate student enrolled in Physics/Physics and Nanotechnology demonstrating extensively participation in outreach activities and/or internal community-building activities; an occasional award
Physics/Physics and Nanotechnology Prize	\$150	Physics and Nanotechnology graduand
Physics/Physics and Nanotechnology Staff Prize	\$150	first year of Part II of Physics and Nanotechnology major
Postgraduate Prize in Energy Studies	\$250	Postgraduate Diploma in Energy Studies
Postgraduate Prize in Renewable Energy	\$250	Master of Science in Renewable Energy
School of Engineering and Energy Prize	\$400	graduand attaining the highest grade point average in an undergraduate degree in the School
Tesla Medal	\$300 plus medal	graduand in Bachelor of Engineering in Electrical Power Engineering or Bachelor of Science in Physics and Nanotechnology
Undergraduate Prize in Energy Studies	\$250	graduand in Sustainable Energy Management
Walter and Marie Tauss Prize for Creativity and Innovation (FDN101)	\$250	FDN101 Creativity and Innovation
<b>School of Environmental Science</b>		
Amanda Young Leadership Prize	\$1000	graduand demonstrating the best combination of leadership, academic performance and potential for contribution to the environment
Amanda Young Study Award	\$500	greatest academic improvement from ENV102 Introduction to Environmental Science to ENV268 Ecology
Energy Resourcing Prize in Environmental Engineering	\$250	ENV210 Environmental Technology for Sustainable Development by a student enrolled in the Environmental Engineering major
Kellenberger/Gawanab Prize	\$250	third year or higher ISC or project in hydrogeology or estuarine/marine studies; selection based on academic performance, enthusiasm, application, and attitude to fellow students

Luke Pen Award	\$500	ENV268 Ecology plus either ENV311 Managing Wetlands and Water or ENV381 Coastal and Marine Management
Marine and Freshwater Research Laboratory Prize in Oceanography	\$200	ENV282 Oceanography and Marine Pollution
Murdoch University Environmental Science Association (MUEnSA) Prize for Coastal and Marine Management	\$150	consultancy report in ENV381 Coastal and Marine Management
Murdoch University Environmental Science Association (MUEnSA) Prize for Ecology	\$150	ENV268 Ecology
Murdoch University Environmental Science Association (MUEnSA) Prize for Introduction to Environmental Science	\$150	ENV102 Introduction to Environmental Science
Murdoch University Environmental Science Association (MUEnSA) Prize for Management of Aquatic Systems	\$150	wetlands project in ENV311 Managing Wetlands and Water
Oceanica Consulting Prize	\$500	ENV381 Coastal and Marine Management
Sardar Gurdit Singh and Sardarni Sunder Kaur Memorial Prize in Environmental Monitoring	\$150	ENV505 Environmental Monitoring
Sardar Gurdit Singh and Sardarni Sunder Kaur Memorial Prize in Environmental Restoration	\$150	ENV324 Environmental Restoration
School of Environmental Science Occasional Prize	\$500	Environmental Science (BEnvSc); an occasional prize awarded at the discretion of the School
Tenix Alliance Prize in Environmental Science	\$300	project on Waste Management in the fourth year of Environmental Science
Water Corporation Prize for Water and Earth Science	\$250	ENV281 Water and Earth Science
Water Corporation Prize for Water Conservation and Auditing	\$250	ENV206 Water Conservation and Auditing
<b>School of Information Technology</b>		
Communications Expert Group (CEG) Prize	\$250	graduand in Master of Network Management and Security
Computer Science Staff Prize in Computer Programming	\$150	ICT104 Principles of Computer Science
Honeywell Industrial Information Technology Award	\$250	ICT333 Information Technology Project
IEEE WA Section University Student Award	\$250	research project in ICT219 Intelligent Systems
iiNet Internet Industry Prize for Best Undergraduate Project	\$1250 (\$250 per group member)	project relating to the Internet industry in ICT333 Information Technology Project
Information Technology Staff Prize in Graduate Diploma of Information Technology	\$250	graduand in Graduate Diploma in Information Technology
School of Information Technology Communication	\$250	best project presentation in ICT333 Information Technology Project and ICT313 Games Technology Project
School of Information Technology Prize	\$250	project associated with ICT313 Games Technology Project and ICT333 Information Technology Project
WA Industry Selected Games Design and Programming Prize	\$200	ICT207 Games Design and Programming
WestInfo Services Prize for IT Professional Practice	\$250	ICT521 IT Professional Practice
<b>School of Law</b>		
Allens Arthur Robinson Prize for Excellence in Company and Commercial Law	\$2500 (total value of shared prize; maximum of \$1000 to a single student)	work undertaken in the field of company and commercial law

Australian Finance Conference Prize	\$300	LAW332 Commercial Law
Brett Davies Lawyers Prize in Taxation Law	\$200	LAW353 Income Taxation Principles
Brian J. Singleton QC Memorial Prize in Criminal Law and Procedure	\$250	LAW130 Criminal Law and Procedure
CB Gibson and KW Hatfield QC Memorial Prize in Criminal Justice	\$250	research essay in LAW405 Criminal Justice
Chamber of Commerce and Industry WA Prize in Migration Law	\$500	all three units in the Graduate Certificate in Australian Migration Law and Practice
Cocks Macnish Admiralty Law Award	\$250	LAW355 Admiralty Law
Downings Legal Property Law Prize	\$500	LAW253 Property
Eldon Prize in Equity	\$600	LAW351 Equity and Trusts
Francis Burt Chambers Law Medal	\$1500 plus a commemorative gold medal	academic performance in Law
Freehills Prize in Law	\$500	LAW259 Constitutional Law, LAW260 Contract and LAW258 Australian Administrative Law
Freehills Prize in Resources Law	\$200	LAW335 Mining and Natural Resources Law
Mallesons Stephen Jaques Prize in Civil Procedure	\$500	LAW350 Civil Procedure
Marks & Sands Prize in Evidence	\$150	LAW252 Evidence
Mony de Kerloy Prize in Environmental Law	\$250	LAW356 Environmental, Sustainability and Climate Change Law
Norton Rose Australia Prize in Intellectual Property	\$200	nominated intellectual property law unit
Paterson and Dowding Prize in Family Law	\$500	LAW370 Family Law
Ronald Wilson Prize in Law	\$500	graduand who best combines distinguished academic performance in Law units with qualities of character, leadership and all-round contribution to the life of Murdoch University
Sandy Buchan Memorial Prize in Construction Law	\$500	LAW329 Construction Law
Sarah Meddin Memorial Prize in Legal Theory	\$250	LAW301 Legal Theory
Shine Lawyers Prize for Torts	\$500	LAW152 Torts
Wrays Lawyers Award (IP-PSGR)	\$500	intellectual property essay in LAW379 Intellectual Property: Patents and Sui Generis Regimes
Wrays Lawyers Award (IP-TMC)	\$500	intellectual property essay in LAW375 Intellectual Property: Trade Marks and Copyright
<b>School of Media Communication and Culture</b>		
Business and Professional Women's Prize	\$100	Honours in Women's Studies or Gender and Cultural Studies
Channel Seven Best TV News Prize	\$1000	television news story produced as part of assessment in MCC323 Newsroom
May Trust Prize in Gender and Globalisation	\$1200	MCC211 Gender, Globalisation and Cultural Politics
May Trust Prize in Introduction to Gender and Cultural Studies	\$1200	MCC102 Introduction to Gender and Cultural Studies
School of Media Communication and Culture Prize	\$150	Part I student in a School of Media Communication and Culture major; a student may only be awarded the prize once
School of Media Communication and Culture Prize in Communication and Media Studies	\$250	final-year student in the discipline
School of Media Communication and Culture Prize in Digital Media	\$250	final-year student in the discipline

School of Media Communication and Culture Prize in Gender and Cultural Studies	\$250	final-year student in the discipline
School of Media Communication and Culture Prize in Journalism	\$250	final-year student in the discipline
School of Media Communication and Culture Prize in Public Relations	\$250	final-year student in the discipline
School of Media Communication and Culture Prize in Screen Production	\$250	final-year student in the discipline
<b>School of Nursing and Midwifery</b>		
Faculty Dean's Encouragement Award in Nursing	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Nursing
Georgina Kiely Encouragement Award	\$500	demonstrated commitment and improvement by a graduate of Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students
Mrs Mary Smith Bachelor of Nursing Prize in Holistic Nursing	\$500	NUR103 Holistic Nursing
Mrs Mary Smith Bachelor of Nursing Prize in Human Biosciences	\$500	NUR104 Nursing Bioscience II
Mrs Mary Smith Bachelor of Nursing Prize in Maternal and Paediatric Nursing	\$400	NUR302 Maternal and Newborn Health and NUR303 Children and Adolescent Health
Mrs Mary Smith Bachelor of Nursing Prize in Mental Health Nursing	\$400	first year student in NUR127 Introduction to Mental Health
Mrs Mary Smith Bachelor of Nursing Prize in Nursing Bioscience	\$400	second year student showing greatest improvement across NUR201 Fundamentals of Pathophysiology and Pharmacology I and NUR202 Fundamentals of Pathophysiology and Pharmacology II
Police and Nurses Credit Society Prize in Indigenous Culture and Health	\$250	second-year student in NUR234 Indigenous Culture and Health Care
Police and Nurses Credit Society Prize in Mental Health Nursing	\$250	clinical practice performance by a second-year student in NUR226 Mental Health Nursing -- Clinical Placement
Police and Nurses Credit Society Prize in Nursing Specialities	\$250	NUR305 Nursing Specialties
St John of God Healthcare Prize in Nursing	\$250	NUR203 Medical and Surgical Nursing I and NUR205 Medical and Surgical Nursing II
<b>School of Pharmacy</b>		
EGO Pharmaceuticals - Best Placement Performance	\$250	placement components of PHA643 Pharmacy Practice III and PHA744 Pharmacy Practice IV
Faculty Dean's Encouragement Award in Pharmacy	\$250	improvement in aggregate marks between Trimesters 1 and 3 of Master of Pharmacy
Pfizer Pty Ltd Prize for Best Aggregate Mark in Second Year Pharmacy Practice	\$200	PHA643 Pharmacy Practice III, PHA744 Pharmacy Practice IV and PHA754 Pharmacotherapeutics IV
Pfizer Pty Ltd Prize for Pharmacy Practice	\$200	PHA643 Pharmacy Practice III, PHA744 Pharmacy Practice IV and PHA754 Pharmacotherapeutics IV
Pharmaceutical Defence Limited - Geoff Miller Prize	\$150	'History of Pharmacy' assignment in PHA521 Pharmacy Care
Pharmacy 777 - Best Aggregate Mark in First Year	\$250	aggregate mark in first year
Pharmacy 777 - Best Aggregate Mark in Second Year	\$250	aggregate mark in second year
Reynoldson Prize in Pharmacology	\$200	aggregate mark in Pharmacology
School of Pharmacy Prize	\$150	Master of Pharmacy; an occasional prize awarded at the discretion of the School

**School of Psychology**

Andrea Fernandes Memorial Prize in Psychology	\$250	aggregate score in the fourth-year coursework by a Bachelor of Psychology or Psychology Honours graduand
Australian Psychological Society Prize	membership of the APS	final year of Bachelor of Psychology, Psychology honours or Postgraduate Diploma in Psychology
Faculty Dean's Encouragement Award in Psychology	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Psychology
O'Byrne Prize in Psychology and Social Justice	\$250	fourth year thesis in Honours, Bachelor of Psychology or Postgraduate Diploma in Psychology, in the area of psychology and social justice
Road User Behaviour and Road Safety Prize	\$300	fourth year Honours dissertation or Bachelor of Psychology/Postgraduate Diploma in Psychology research project on road user behaviour and road safety
School of Psychology Prize in Introduction to Applications of Psychology	\$150	PSY171 Introduction to Applications of Psychology
School of Psychology Prize in Introduction to Psychological Research Methods	\$150	PSY173 Introduction to Psychological Research Methods
School of Psychology Prize in Introductory Psychology	\$150	PSY141 Introduction to Psychological Science

**School of Social Sciences and Humanities**

Alan Berryman Prize in Indonesian Language	\$150	IND361 Indonesian 3A
Asian Studies Prize	\$150	graduand in Asian Studies major with highest grade point average in Part II Asian Studies units
Australia-Japan Society Prize	\$200	Japanese Studies Part I
Barbara Buick Women's Electoral Lobby Prize	\$250	POL313 Gender and Development/POL613 Gender and Development
Berndt Memorial Prize in Anthropology	\$250	AST212 Anthropology and Its Others/AST612 Anthropology and Its Others or AST250 Society, Culture and Ecology in Asia/AST650 Society, Culture and Ecology in Asia or AST258 Women in Asian Societies/AST558 Women in Asian Societies; a student may only be awarded the prize once
Community Development Prize	\$150	graduand in Community Development major with highest grade point average in Part II Community Development units
Department of Environment and Conservation Prize	\$150	HIS283 Earth, Fire, Wind and Water: Australian Environmental History
Gary Holland Memorial Prize	\$250	COD125 Introduction to Community Development or POL135 Australian Government or EDU231 Schools in Context by a first-year student residing in the Rockingham/Kwinana region
Geoff and Lyn Field Prize in Australian Studies	\$350	Honours dissertation on an Australian topic
History Prize	\$150	graduand in History major with highest grade point average in Part II History units
Institute of Public Administration Australia Prize	membership and voucher	graduand in Public Policy and Management major
Japan Chamber of Commerce and Industry Prize in First Year Japanese Language	\$200	JPN171 Japanese IA and JPN172 Japanese IB
Japan Chamber of Commerce and Industry Prize in Second Year Japanese Language	\$200	JPN204 Japanese IIA and JPN205 Japanese IIB
Japan Chamber of Commerce and Industry Prize in Third Year Japanese Language	\$200	JPN363 Japanese IIIA and JPN364 Japanese IIIB

Japanese Chamber of Commerce and Industry Prize in Japanese History	\$200	JPN214 Postwar Japan/JPN614 Postwar Japan or HIS210 Modern Japanese History/HIS610 Modern Japanese History or HIS226 Soldiers and Civilians: War in the Pacific 1941-1945/HIS626 Soldiers and Civilians: War in the Pacific 1941-1945
Philosophy Prize	\$150	graduand in Philosophy major with highest grade point average in Part II Philosophy units
Politics and International Studies Prize	\$150	graduand in Politics and International Studies with highest grade point average in the Part II units of the major
Public Policy and Management Prize	\$150	graduand in Public Policy and Management with the highest grade point average in Part II units of the major
Sociology Prize	\$150	graduand in Sociology major with highest grade point average in Part II Sociology units
St Ephraim The Syrian (Mor Aphrem Suryoyo) Prize	\$200	Theology Honours dissertation
Terrorism and Counterterrorism Prize	\$150	graduand in Security, Terrorism and Counterterrorism Studies with the highest grade point average in their Part II units of the major
Terry Jones Memorial Prize in Philosophy	\$500	academic excellence and critical insight in either PHL219 Ethics, Responsibility and Justice or POL223 Modern Political Thought
The Australian Sociological Association (TASA) Prize in Sociology	\$100 plus one year's TASA membership	Honours thesis in Sociology or in a related course, on a topic demonstrating a solid sociological perspective
Theology Prize	\$150	graduand in Theology major with highest grade point average in Part II Theology units
Tourism Prize	\$150	graduand with a first or second major in Tourism with highest grade point average in Part II Tourism units
<b>School of Sustainability</b>		
Michael Booth Sustainable Development Honours Prize	\$300	Honours thesis in Sustainable Development
Michael Booth Sustainable Development Undergraduate Prize	\$300	graduand in Sustainable Development with highest grade point average
School of Sustainability Prize	\$200	Part I student in a School of Sustainability major; a student may only be awarded the prize once
<b>School of Veterinary and Biomedical Sciences</b>		
Academic Excellence in Biomedical Science	\$250	aggregate of marks in BMS261 Human and Comparative Biochemistry, BMS264 Biomedical Physiology and BMS265 Medical Immunology and Molecular Genetics, completed in the same year
Adamson Prize in Equine Medicine and Surgery	\$250	proficiency in equine medicine and surgery on completion of Applied Veterinary Medicine
Australian Small Animal Veterinary Association Award for Clinical Proficiency	\$300, medallion and 2 years' ASAVA membership	Small Animal Medicine and Surgery II components in Applied Veterinary Medicine
Australian Society for Parasitology Prize for Parasitology in Animal Science	\$400	ANS356 Animal Parasitology
Australian Society for Parasitology Prize for Parasitology in Biomedical Science	\$400	BMS364 Parasitology
Australian Society for Parasitology Prize for Parasitology in Veterinary Science	\$400	VET344 Veterinary Parasitology

Australian Veterinary Association Prize for Undergraduates	\$200 towards cost of text books	Veterinary Pathology fourth year
Bernard McSherry Prize in Veterinary Clinical Pathology	\$250	academic and applied aspects of Veterinary Clinical Pathology in Applied Veterinary Medicine
Charles and Elaine Schug Memorial Prize in Wildlife Medicine	\$250	demonstrated outstanding commitment and academic ability to the field of wildlife medicine
Dean's Prize for Academic Excellence in Animal Science	\$250	highest aggregate of marks in ANS101 Animal Production Systems I, BMS107 Principles of Vertebrate Physiology and ANS106 Animal and Human Bioethics completed in the same year
Dean's Prize for Academic Excellence in Biomedical Science	\$250	aggregate of marks in BMS101 Introduction to the Human Body and BMS107 Principles of Vertebrate Physiology, completed in the same year
Dean's Prize for Service to the School in Animal Science	\$250	outstanding contribution to the School and life of Murdoch University and the course in which they are enrolled
Dean's Prize for Service to the School in Biomedical Science	\$250	outstanding contribution to the School and life of Murdoch University and the course in which they are enrolled
Dean's Prize for Service to the School in Veterinary Science	\$250	outstanding contribution to the School and life of Murdoch University and the course in which they are enrolled
Don G Nickels Communication and Leadership Prize	\$250	fifth year Veterinary student pursuing a career in large animal, small animal or mixed private practice, for communication skills and leadership qualities
Emilio Balzarini Equine Prize	\$500	academic performance, participation, interest and commitment to equine activities both in the School and externally; awarded in fifth year
Equine Veterinarians Australia WA Poster Prize	\$250	poster presentation at Equine grand rounds poster day
Equine Veterinary Association (EVA) Prize	complete set of Bain-Fallon proceedings	equine components of fifth year
Faculty Dean's Encouragement Award in Animal Science	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Animal Science
Faculty Dean's Encouragement Award in Biomedical Science	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Biomedical Science
Faculty Dean's Encouragement Award in Veterinary Science	\$250	improvement in aggregate marks between Semesters 1 and 2 of Year 1 of Veterinary Science
Foundation Pathologists Prize	\$250	General Pathology (third year) and Pathology Rotations (fifth year) for Veterinary students
Hill's 'Buddy' Award	\$500	clinical performance in the field of small animal nutrition
Kevin Bell Prize for Excellence in Animal Science	\$500	ANS458 Animal Production Systems IV
LiveCorp Cattle Welfare Award	\$250	animal welfare science essay for cattle, in VET342 Animal Systems II
LiveCorp Sheep Welfare Award	\$250	animal welfare science essay for sheep, in VET342 Animal Systems II
Marilyn Alder Award for Clinical Proficiency	\$400	clinical proficiency across a variety of species
Milne Agrigroup Prize in Animal Nutrition	\$300	VET346 Veterinary Nutrition and Animal Toxicology
Ozgene Prize	\$350	BMS368 Advances in Medical Science



Richard Lee-Gray Memorial Prize	\$400	demonstrated greatest potential for success as a rural practitioner
Royal Canin Companion Animal Welfare Award	\$250	animal welfare science essay for companion animals in VET342 Animal Systems II
Stan Jones Memorial Prize in Clinical Pathology	\$400	fifth-year student demonstrating initiative, interest and commitment to clinical pathology activities both in the School and externally
Tom Edwards Award for Animal Welfare Science	\$250	essay in VET342 Animal Systems II demonstrating how science can be used to enhance the welfare of animals
Undergraduate Prize in Veterinary Microbiology and Immunobiology	\$250	undergraduate in Microbiology and Immunobiology in Veterinary Biology
University of Sydney Centre for Veterinary Education Prize for Clinical Competency	continuing education to the value of \$1000	clinical competency in a graduating veterinary student
WA Shearing Contractors Association Prize for Animal Science in the Sheep Industry	\$250	ANS353 Animal Production Systems III
Wellard Rural Exports Animal Welfare in Production Animals	\$500	academic performance, participation, interest and enthusiasm in animal welfare issues in the production animal industries over all years in the course, both in the School and externally; awarded in fifth year
WSA and JE Gordon Memorial Prize	\$250	second, third and fourth year in Veterinary Biology/Applied Veterinary Medicine

# Murdoch University Student Charter

Source: <http://www.murdoch.edu.au/goto/StudentCharter>

## Purpose of the Student Charter

This Charter sets out the standards of service which the University aims to provide you as a student. The University is committed to aiming for the highest quality possible and this Charter is one way of outlining that commitment to you. The Charter aims to inform both you the student, and the University staff, of the reasonable expectations you may have of the services provided by Murdoch University, regardless of your location, and of the responsibilities which are placed on you as a student. This information will help you to ensure that you make the most of the opportunities the University provides. If you believe that any service provided by the University is less than adequate the University provides you with avenues (detailed in related websites appended to this Charter) to offer constructive criticism to improve it. A strong student contribution is an important part of the University's general strategy for client focus and continuous improvement.

It is important to note that the Charter is not intended to be the source of enforceable obligations. Rather, the Charter acts as a ready reference to your expectations and obligations, and to assist you in understanding the environment in which you are participating. The expectations and obligations summarised in the Charter are sourced from provisions of the *Murdoch University Act* and the statutes, rules, policies and procedures made pursuant to the Act. The statements outlined within this Charter complement but should not be regarded as replacing, adding to or interpreting those sources.

## The University's Commitment

The University is committed to the ideals of excellence in performance and freedom of expression within the boundaries of academic scholarship. Achieving these ideals requires high standards of behaviour, diligence, perseverance and professionalism from both staff and students. Murdoch University is committed to providing students with an excellent post-secondary education and ensuring that all who study through the institution benefit as much as possible from the experience. This commitment is reflected in the provision of a broad range of educational opportunities at the tertiary level of study in a variety of modes; in teaching and supervision that reflects the aim for excellence; in the provision of modern, relevant and efficient facilities for on campus students; in the special attention paid to equity groups; and in the general care and attention to the interests of all students, both collectively and individually. Students can expect to be offered considerable support and assistance as they take responsibility for their progress through their studies.

The University endeavours to offer education of such a standard that, both nationally and internationally, each Murdoch University award will receive recognition at least equal to similar awards from other Australian tertiary institutions. Moreover, the University will endeavour to offer courses that will match the purposes for which they are intended, while satisfying the requirements of professional societies and other regulatory bodies. The purpose will be made explicit in clear statements of course aims, so that your reasonable expectations and needs can be met. Further, you can expect to complete the course in which you are enrolled in the format described in official University publications, providing you make satisfactory progress, and complete the course within the guidelines given by the University.

## Potential Students' Information and Access

As a potential student you will have reasonable access to current and accurate information about available University courses, application and admission procedures, the skills recognition policy (credit transfer and recognition of prior learning), and financial implications, prior to the enrolment period.

Students are selected for admission into Murdoch University by fair and open procedures with published criteria outlining right of entry for all levels of candidacy. The principles upon which selection decisions are made will be stated clearly on the Murdoch University, website and materials, the TISC guide and other materials, and those of other relevant providers, and will be adhered to by the University.

## Provisions for Murdoch University Students

As a Murdoch University student you can expect to:

- on commencement be provided with a suitable orientation to your course and the University, with where appropriate provision for students from Australia and for international students;
- have access to accurate advice and assistance on matters relevant to your study including course and unit information, financial commitments associated with your study and an accurate University Calendar by commencement of the academic year or study period;
- have accurate records of your personal details and study at the University kept confidential and secure in line with the University's Privacy Policy;
- study in an environment which is protected by relevant University policies that deal with harassment and discrimination as stipulated by relevant Australian State and Federal Anti-discrimination legislation. If alleged harassment or discrimination occurs then the procedures for resolution of these grievances, available on the University website, will be followed;
- have your unit results determined and recorded accurately, and conveyed to you as soon as possible;
- have your academic achievements recognised through graduation or other appropriate ceremonies;
- have reasonable access to University facilities of an appropriate standard for all students;
- be provided with academic learning materials in an appropriate format in a reasonable time, if you have requested this through the appropriate University Disability support facility;
- be provided with appropriate support for your disability by the reasonable adjustment to facilities and services where necessary;
- in areas where Murdoch University has control, be provided with a safe and secure campus, in both buildings and grounds, to ensure your safety;
- be provided with equality of entitlements regardless of sex, ethnicity, race, religion, political belief, pregnancy, age, disability, sexual orientation, gender history, marital status, family responsibility, or background;
- have your queries, concerns and complaints about your studies, facilities or services addressed fairly and efficiently, using the grievances procedures where appropriate;
- have the opportunity to be members of a student organisation which represents students' interests and is involved in any matters that affect students; and

have reasonable access to a range of support and information services including: personal counselling; career counselling; study skills assistance; disabilities information and support; employer liaison; and accommodation advice.

## **Murdoch University Students' Responsibilities**

As a Murdoch University student you are expected to:

- make yourself aware of, and comply with, University rules, regulations and all other procedures pertaining to your rights and responsibilities;
- participate actively and positively in the educational processes of the University and provide constructive feedback on the teaching and learning environment to help staff to improve the learning experience;
- meet assessment and administrative deadlines;
- submit your own honest work with appropriate referencing, being aware of your responsibilities regarding proper use of copyright material;
- prepare adequately and attend lectures and other sessions as scheduled and required;
- raise questions or concerns about any aspect of your study including learning support or any special accommodations required with the appropriate person in a respectful manner and within a reasonable time frame; and
- treat staff and other students with respect and courtesy, being aware of their equality of entitlements regardless of sex, ethnicity, race, religion, political belief, pregnancy, age, disability, sexual orientation, gender history, marital status, family responsibility, or background.

## **Acknowledgments:**

The documents "*Generic Guidelines: Universities and their Responsibilities: Expectations and Responsibilities*" (Australian Vice-Chancellors Committee 1994); Charles Darwin University Students Charter and Queensland University of Technology Students Charter were a source of ideas and some wording for the Murdoch University Student Charter.

## **Related Materials/Policies**

### **Murdoch University**

Copyright

<http://www.murdoch.edu.au/copyright/students.html>

Enrolment Dates and Deadlines

<http://www.oss.murdoch.edu.au/enrolment/deadlines.html>

Equal Opportunity

[http://www.hr.murdoch.edu.au/eoo/eoo\\_home.html](http://www.hr.murdoch.edu.au/eoo/eoo_home.html)

Equity, Access & Diversity

<http://equityaccess.murdoch.edu.au/>

Equity Policies

<http://www.murdoch.edu.au/index/policies/equity>

Handbook

<http://handbook.murdoch.edu.au/>

Privacy Policy

<http://www.murdoch.edu.au/admin/policies/privacy.html>

Student Appeals & Grievance Page

<http://www.oss.murdoch.edu.au/grievances/>

University Legislation

<http://www.murdoch.edu.au/admin/legsln/>

Prospective undergraduate and postgraduate students

<http://choose.murdoch.edu.au/>

## **External to University**

W.A. Equal Opportunity Commission

<http://www.equalopportunity.wa.gov.au/>

# Graduate Attributes

Source:  
<http://www.murdoch.edu.au/goto/GraduateAttributesStudents>

Graduate Attributes are the generic skills and attitudes that all undergraduate students are expected to develop during their studies. Murdoch University has adopted a set of nine Graduate Attributes that are further divided into sub-attributes. These Attributes reflect the vision of the University and are considered important for enhancing lifelong learning, social awareness and employability in its graduates. The development of these Attributes begins in the compulsory first year Foundation Units, and the University is working to ensure their integration across the curriculum in all undergraduate degree courses.

Each course can interpret and address the Attributes in keeping with the intellectual and pedagogic needs of the discipline. Thus, in some courses, certain Attributes may be covered in more depth and feature more in assessment. It is intended that the Attributes be scaffolded across the core units in all courses, and that collectively the core units develop or expose students to all of the Graduate Attributes and sub-attributes. It is expected that each undergraduate unit include a statement of the Graduate Attributes developed in that unit.

The nine attributes of a Murdoch graduate and the subattributes:

## Communication

The ability to communicate effectively and appropriately in a range of contexts using communication, literacy, numeracy and information technology skills.

- Speaking skills
- Listening skills
- Reading skills
- Writing skills
- Numeracy skills
- Information and communication technology skills

## Critical and creative thinking

The ability to collect, analyse and evaluate information and ideas and solve problems by thinking clearly, critically and creatively.

- Critical thinking
- Creative thinking
- Problem solving
- Research skills

## Social interaction

A capacity to relate to and collaborate with others to exchange views and ideas and to achieve desired outcomes through teamwork, negotiation and conflict resolution.

- Collaboration
- Negotiation
- Conflict resolution

## Independent and lifelong learning

A capacity to be a self directed learner and thinker and to study and work independently.

- Organisational and time management skills
- Independent study

## Ethics

An awareness of and sensitivity to ethics and ethical standards on interpersonal and social levels, and within a field of study and/or profession.

- Personal ethics
- Social ethics
- Ethics in a field of study
- Professional ethics

## Social justice

An acknowledgment of and respect for equality of opportunity, individual and civic responsibility, other cultures and times, and an appreciation of cultural diversity.

- Social and civic responsibility
- Knowledge of other cultures
- Knowledge of other historical times
- Appreciation of cultural diversity

## Global perspective

An awareness of and respect for the social, biological, cultural and economic interdependence of global life.

- Global perspective

## Interdisciplinarity

A capacity to acquire knowledge and understanding of fields of study beyond a single discipline.

- Interdisciplinarity

## In-depth knowledge of a field of study

A comprehensive and in-depth knowledge of a field of study and defined professional skills where appropriate.

- Knowledge of a field of study
- Professional skills

# University Access Courses

## **Cancellation of Courses, Majors, Minors and Units**

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

<b>Group</b>	<b>Course</b>	<b>Offerings</b>
<b>Enabling</b>	Kulbardi Aboriginal Tertiary Entrance Course	• Murdoch campus (internal)
	OnTrack	• Murdoch campus (internal) • Peel campus (internal) • Rockingham campus (internal)
<b>Law</b>	Koora Kudidj Pre-Law Program	• Murdoch campus (internal)
<b>Media Studies</b>	Kulbardi Wangkiny Pre-Media Program	• Murdoch campus (internal)
<b>Nursing</b>	Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students	• Peel campus (internal)
<b>Veterinary Science</b>	Waardong	• Murdoch campus (internal)

## ENABLING

### KULBARDI ABORIGINAL TERTIARY ENTRANCE COURSE

#### Kulbardi Centre

Kulbardi Aboriginal Tertiary Entrance Course: Diploma in University Studies (DipUniSt)

Course Codes: G1032

Duration: 1 year full-time

#### Availability:

- Murdoch campus (internal)

The Kulbardi Aboriginal Tertiary Entrance Course will equip students with the necessary skills to undertake University degree studies or seek employment. On completion of the course, students graduate with a diploma award and are guaranteed an offer of a place in an undergraduate major (which is not subject to quota) of their choice.

The course has a core focus on skills necessary for successful University study and which are useful for many areas of employment. The units studied cover writing, research and communication in the context of enhancing Aboriginal and Torres Strait Islander identity. Students can also undertake elective themes in areas such as Social Sciences, Science, Education, Media and Aboriginal Culture.

#### Admission Requirements (Onshore):

This course is available to Indigenous students only.

English competence.

#### Unit Availability:

The availability of units is strictly dependent upon unit demand or availability from time to time.

### Course Structure - 24 credit points

#### First Semester of Enrolment - 12 credit points

##### Core Units - 9 credit points

KAC061 Foundations of Formal Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

KAC062 Foundations of Information Technology -- 3 pts  
Murdoch: S1-internal, S2-internal

KAC073 University Studies -- 3 pts  
Murdoch: S1-internal, S2-internal

##### Specified Electives - 3 credit points

Select from the following:

KAC064 Foundations of the Media -- 3 pts  
Murdoch: S1-internal, S2-internal

KAC068 Orientation Science A -- 3 pts  
Murdoch: S1-internal

KAC067 Foundations of Aboriginal Cultures -- 3 pts  
Murdoch: S2-internal

#### Second Semester of Enrolment - 12 credit points

##### Core Units - 9 credit points

TLC020 Introduction to University Learning -- 3 pts  
Murdoch: S1B-internal, S2K-internal  
Rockingham: S1B-internal, S2K-internal

KAC075 Foundations of Academic Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

KAC071 Study of Society and Politics -- 3 pts  
Murdoch: S1-internal, S2-internal

OR

KAC063 Science Functions and Modelling -- 3 pts  
NA 2011

#### Specified Electives - 3 credit points

Select from the following:

KAC067 Foundations of Aboriginal Cultures -- 3 pts  
Murdoch: S2-internal

KAC070 Introduction to the Practice of Teaching -- 3 pts  
NA 2011

KAC069 Orientation Science B -- 3 pts  
Murdoch: S1-internal, S2-internal

## ONTRACK

#### Division of Academic Affairs

Course Codes: N1069

Duration: 1 semester full-time

#### Availability:

- Murdoch campus (internal)
- Peel campus (internal)
- Rockingham campus (internal)

OnTrack is a fourteen-week, on-campus, pre-university course designed to assist people from disadvantaged or disrupted educational backgrounds to enable their entry to university.

The course consists of three modules that develop the generic skills, knowledge and values required for successful university learning. The OnTrack course allows participants the opportunity to experience life on a university campus. Students who require support in English as a Second Language will receive additional tutoring.

Following successful completion of the course, participants may be offered a place in an undergraduate course at Murdoch University and are provided with support to identify potential career paths as part of the course.

#### Admission Requirements (Onshore):

OnTrack is suitable for people from the following equity groups: people who can demonstrate educational disruption due to family, financial or social issues; Aboriginal and Torres Strait Islander people; people with disabilities or medical conditions; people living in rural or remote regions; and women wishing to study in one of the University's Engineering courses. The course also caters for people who have arrived in Australia under a Humanitarian or Refugee program.

In addition, the course offers an opportunity for Year 12 non-TEE students who have experienced disruption to their final year studies due to disability, medical condition or other significant family or social issues. Students in this category will require the support of their school teaching staff in order to apply.

English competence.

#### Course Structure

EQU060 OnTrack  
Murdoch: S1-internal, S2-internal  
Peel: S2-internal  
Rockingham: S1-internal

## LAW

### KOORA KUDIDJ PRE-LAW PROGRAM

#### School of Law

Course Codes: N1071

Duration: 4 weeks full-time in January/February

#### Availability:

- Murdoch campus (internal)

Law is an integral part of Aboriginal culture. The Koora Kudidj ('Learn Before') Pre-Law Program offers Indigenous people alternative access to entrance to the Law School and a chance of succeeding in Law or Legal Studies.

Koora Kudidj is an intensive four-week course which commences at the beginning of each year. The course is designed to assess the suitability of applicants wishing to study in the Law School. Successful graduates are guaranteed a place in first year Law or Legal Studies.

This course is designed to prepare and assess Aboriginal and Torres Strait Islander students for admission to Law (LLB) and the Bachelor of Legal Studies (BLS). Applicants will develop strategies and techniques to handle the pressures and routines of university studies. The components are:

Study skills: how to draw on library resources, think critically and creatively about law, and present ideas in reflective, formal and oral ways.

Personal experience: consider the role of law in your own life, culture and community, and in the lives of others.

Theory and practice: explore key ideas and state-of-the-art practices aimed at preparing you for law in the 21st century.

#### Admission Requirements (Onshore):

This course is available to Indigenous students only.

English competence.

#### Course Structure

EQU025 Koora Kudidj Pre-Law  
Murdoch: SB3-internal

## MEDIA STUDIES

### KULBARDI WANGKINY PRE-MEDIA PROGRAM

#### School of Media Communication and Culture

Course Codes: N1072

Duration: 4 weeks full-time in January/February

#### Availability:

- Murdoch campus (internal)

The media have a particular importance for Indigenous people. Radio, television and newspapers are vehicles for telling their stories, but more importantly they offer opportunities through employment for Indigenous people to tell their stories themselves.

This course gives Indigenous people an alternative pathway into university study in the field of media. It is designed to assess the suitability of applicants wishing to study in the School of Media Communication and Culture, and will focus on the following areas of the media: Print, Radio, Television and Film, Indigenous Production and Multimedia. Emphasis is on production skills, including individual and group projects.

Instruction is in the form of small group workshops, tutorials and lectures from Murdoch staff, government agencies and industry.

#### Admission Requirements (Onshore):

This course is available to Indigenous students only.

English competence.

#### Course Structure

EQU026 Kulbardi Wangkiny Pre-Media  
Murdoch: SB3-internal

## NURSING

### KOORT MOODITJ (STRONG HEART): PRE-NURSING FOR INDIGENOUS STUDENTS

#### School of Nursing and Midwifery

Course Codes: N1074

Duration: 4 weeks full-time in January/February

#### Availability:

- Peel campus (internal)

Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students is an intensive four-week course run at the beginning of each year. The course is designed to assess the suitability of applicants wishing to study in the School of Nursing and Midwifery. Successful graduates are guaranteed a place in first year of the Bachelor of Nursing.

Students will develop strategies and techniques to handle the pressures and routines of nursing studies. The course will also place an emphasis on university study skills, including nursing research and writing skills. Teaching activities will include lectures by staff from the School of Nursing and Midwifery on nursing knowledge, communication skills, science knowledge, problem solving and health mathematics. Staff from the Kulbardi Aboriginal Centre and distinguished guests will also teach.

A daily teaching focus will be on small group tutorials, clinical and science laboratories.

#### Admission Requirements (Onshore):

Applicants must be of Aboriginal or Torres Strait Islander descent and must be at least 17 years of age on commencement of the course. Applicants must have adequate literacy and numeracy skills to deal with the course material. Mature-age people are actively encouraged to apply.

The School of Nursing and Midwifery reserves the right to request recognised proof of Aboriginal or Torres Strait Islander identity.

English competence.

#### Quota:

This course is subject to quota: 20 places.

#### Course Structure

EQU028 Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students  
NA 2011

## VETERINARY SCIENCE

### WAARDONG

#### *School of Veterinary and Biomedical Sciences*

Course Codes: N1022

#### **Availability:**

- Murdoch campus (internal)

Waardong is a special entry program into the School of Veterinary and Biomedical Sciences for Aboriginal and Torres Strait Islander people who want to become veterinarians. In order to maximise student success, Waardong provides academic, social and cultural support for Aboriginal and Torres Strait Islander students enrolled in Veterinary Science or, as approved by the relevant Academic Chair, other participating Health Science courses.

Waardong teaches Orientation Chemistry for students without a background in chemistry, and supplementary enabling units for students throughout their veterinary or other health science studies.

Students interested in applying for entry should contact the Special Education Officer in the School of Veterinary and Biomedical Sciences. The deadline for submission of applications is 30 September each year; testing and selection week is in early December.

#### **Admission Requirements (Onshore):**

This special entry program for Aboriginal and Torres Strait Islander people is based on student results during the one-week residential testing and selection process. Evaluation of student readiness for study involves practical and written exercises throughout the week.

English competence.

#### **Program Structure**

Students entering Waardong are placed in either one of Non-Chemistry Transition or Transition with Chemistry.

#### **Non-Chemistry Transition**

Students who do not have a background in chemistry are placed in Non-Chemistry Transition, which provides an intensive Orientation Chemistry and supplementary tutoring in all other units. Students take the Veterinary Entry year over two academic years.

#### **Transition with Chemistry**

Students who have entered the Veterinary Science major with Year 12 Chemistry are placed in Transition with Chemistry, which provides for supplementary tutoring in all units. These students enrol in the Vet Entry year full-time.

#### **Core Units**

Students enrol in the following units throughout their veterinary studies:

EQU011 Orientation Chemistry 1  
Murdoch: S1-internal

EQU012 Orientation Chemistry 2  
Murdoch: S2-internal

EQU021 Transition to Veterinary Studies 1  
Murdoch: S1-internal

EQU022 Transition to Veterinary Studies 2  
Murdoch: S2-internal

EQU023 Transition to Veterinary Studies 3  
Murdoch: S1-internal

EQU024 Transition to Veterinary Studies 4  
Murdoch: S2-internal

EQU031 Extension to Veterinary Biology 1  
Murdoch: S1-internal

EQU032 Extension to Veterinary Biology 2  
Murdoch: S2-internal

EQU033 Extension to Veterinary Biology 3  
Murdoch: S1-internal

EQU034 Extension to Veterinary Biology 4  
Murdoch: S2-internal

EQU035 Extension to Veterinary Biology 5  
Murdoch: S1-internal

EQU036 Introduction to Clinical Studies  
Murdoch: S2-internal

EQU041 Integrated Clinical Studies 1  
Murdoch: S1-internal

EQU042 Integrated Clinical Studies 2  
Murdoch: S2-internal

EQU043 Integrated Clinical Studies 3  
Murdoch: S1-internal

EQU044 Integrated Clinical Studies 4  
Murdoch: S2-internal

#### **Additional Academic Progress Requirements**

Progress of Waardong students will be assessed by the Board of Examiners on the recommendation of the Special Education Officer and the Chair of the Waardong Committee.



# Bachelor and Honours Degrees

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

Group	Course	Offerings
<b>Accounting</b>	Accounting (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Applied Accounting (BBusAppAcc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Rockingham campus (internal)</li> </ul>
	Honours in Accounting (BCom(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Animal Science</b>	Animal Science (BAnimSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Animal Science (BAnimSc(Hons))	<ul style="list-style-type: none"> <li>•</li> </ul>
<b>Arts</b>	Theatre and Drama (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Theatre and Drama (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Asian Studies</b>	Asian Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Asian Studies (Specialist) (BAsianSt)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (Indonesian Language only - all but 'Semester in Indonesia' units)</li> </ul>
	Honours in Asian Studies (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Asian Studies (Specialist) (BAsianSt(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Australian Indigenous Studies</b>	Australian Indigenous Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Honours in Australian Indigenous Studies (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Banking</b>	Banking (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Banking (BCom(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Biological Sciences</b>	Biological Sciences (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Biological Sciences (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Biomedical Science</b>	Biomedical Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Biomedical Science (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Biotechnology</b>	Biotechnology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Biotechnology (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
<b>Biotechnology + Commerce</b>	Biotechnology (BSc) + Management (BCom), Biotechnology (BSc) + Marketing (BCom), Biotechnology (BSc) + Entrepreneurship and Innovation (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Business Information Systems</b>	Business Information Systems (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Honours in Business Information Systems (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Business Law</b>	Business Law (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Business Law (BCom(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Chemistry</b>	Chemistry (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Honours in Chemistry (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Chinese Business</b>	Chinese Business (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Chinese Business (BCom(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Chiropractic</b>	Chiropractic (BChiro, BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Chiropractic (BChiro(Hons))	<ul style="list-style-type: none"> <li>•</li> </ul>
	Honours in Chiropractic (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Commerce</b>	Commerce (BCom)	<ul style="list-style-type: none"> <li>•</li> </ul>
<b>Communication and Media Studies</b>	Communication and Media Studies (BCommun)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Honours in Communication and Media Studies (BCommun(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Community Development</b>	Community Development (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Community Development (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>

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Group	Course	Offerings
<b>Computer Science</b>	Computer Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Honours in Computer Science (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Conservation and Wildlife Biology</b>	Conservation and Wildlife Biology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Conservation and Wildlife Biology (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Criminology</b>	Criminology (BCrim)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Criminology (BCrim(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Cyber Forensics, Information Security and Management</b>	Cyber Forensics, Information Security and Management (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Economics</b>	Economics (BEcon)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Economics (BEcon(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Education</b>	Education (BEd) [Early Childhood and Primary Teaching] (Four Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)</li> <li>• Some units only: Murdoch campus (internal) (all but one unit)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Education (BEd) [Primary Teaching] (Four Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Education (BEd) [Primary, 1-10 Health and Physical Education]	<ul style="list-style-type: none"> <li>• Some units only: Murdoch campus (external)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Education (BEd) [Secondary Teaching] (Four Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for school experiences, EDN112, and depending on teaching area selected)</li> </ul>
	Education (Graduate) (BEd) [Primary Teaching] (Two Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (except for one school experience, one week intensive for EDN2261 and EDN112/EDN1121)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Education (Graduate) (BEd) [Secondary Teaching] (Two Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (except for school experiences and EDN1121)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
	Education (Graduate) (BEd) [Primary Teaching] (Two Years)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (except for school experiences and EDN1121)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
<b>Education + Australian Indigenous Studies</b>	Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
<b>Education + Sports Science</b>	Education (BEd) [Secondary Teaching] + Sports Science (BSportsSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Engineering</b>	Bioprocess Engineering (BE)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>

Group	Course	Offerings
	Electrical Power Engineering (BE)	• Murdoch campus (internal)
	Engineering (BE) + Commerce (BCom)	• Murdoch campus (internal)
	Engineering (BE) + Science (BSc)	• Murdoch campus (internal)
	Environmental Engineering (BE)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Industrial Computer Systems Engineering (BE)	• Murdoch campus (internal)
	Instrumentation and Control Engineering (BE)	• Murdoch campus (internal)
	Medical Engineering (BE)	• Murdoch campus (internal)
	Renewable Energy Engineering (BE)	• Murdoch campus (internal)
	Honours in Engineering (BE(Hons))	•
<b>Engineering Technology</b>	Engineering Technology (BTech)	• Murdoch campus (internal)
<b>English and Creative Arts</b>	English and Creative Writing (BA)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in English and Creative Writing (BA(Hons))	• Murdoch campus (internal)
<b>Entrepreneurship and Innovation</b>	Entrepreneurship and Innovation (BCom)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
	Honours in Entrepreneurship and Innovation (BCom(Hons))	• Murdoch campus (internal)
<b>Environmental Management</b>	Environmental Management (BEnvMan)	• Murdoch campus (internal) • Murdoch campus (external) • Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English) • Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) • Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
	Honours in Environmental Management (BEnvMan(Hons))	• Murdoch campus (internal)
<b>Environmental Science</b>	Environmental Science (BEnvSc, BSc)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in Environmental Science (BEnvSc(Hons))	•
	Honours in Environmental Science (BSc(Hons))	• Murdoch campus (internal) • Murdoch campus (external)
<b>Exercise Physiology</b>	Exercise Physiology (BSc)	• Murdoch campus (internal)
	Honours in Exercise Physiology (BSc(Hons))	• Not available to new admissions 2011
<b>Extractive Metallurgy</b>	Extractive Metallurgy (BExtMet)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)
<b>Finance</b>	Finance (BCom)	• Murdoch campus (internal) • Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English) • Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) • Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) • Some units only: Murdoch campus (external)
	Honours in Finance (BCom(Hons))	• Murdoch campus (internal)
<b>Forensic Biology</b>	Forensic Biology and Toxicology (BForensics)	• Murdoch campus (internal) • Some units only: Murdoch campus (external)

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Group	Course	Offerings
	Forensic Biology and Toxicology (BForensics) + Molecular Biology (BSc) + Biomedical Science (BSc)	• Murdoch campus (internal)
	Honours in Forensic Biology and Toxicology (BForensics(Hons))	• Murdoch campus (internal) • Murdoch campus (external)
<b>Games Art and Design</b>	Games Art and Design (BDMedia)	• Murdoch campus (internal)
	Honours in Games Art and Design (BDMedia(Hons))	• Murdoch campus (internal)
<b>Games Software Design and Production</b>	Games Software Design and Production (BSc)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in Games Software Design and Production (BSc(Hons))	• Murdoch campus (internal)
<b>Games Technology</b>	Games Technology (BSc)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in Games Technology (BSc(Hons))	• Murdoch campus (internal)
<b>Gender and Cultural Studies</b>	Gender and Cultural Studies (BA)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in Gender and Cultural Studies (BA(Hons))	• Murdoch campus (internal)
<b>General Arts</b>	General Arts (BA)	• Murdoch campus (internal) • Murdoch campus (external)
<b>History</b>	History (BA)	• Murdoch campus (internal) • Murdoch campus (external)
	Honours in History (BA(Hons))	• Murdoch campus (internal)
<b>Hospitality and Tourism Management</b>	Hospitality and Tourism Management (BCom)	• Murdoch campus (internal) • Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) • Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) • Some units only: Murdoch campus (external)
	Hospitality and Tourism Management (BTour)	• Murdoch campus (internal) • Some units only: Murdoch campus (external) (all but one unit)
	Honours in Hospitality and Tourism Management (BCom(Hons))	• Murdoch campus (internal)
	Honours in Hospitality and Tourism Management (BTour(Hons))	• Murdoch campus (internal)
<b>Human Resource Management</b>	Human Resource Management (BCom)	• Murdoch campus (internal) • Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) • KDU College (Petaling Jaya, Malaysia) ['KDUP'] (internal) (by formal agreement) (language of instruction: English) • Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English) • Some units only: Murdoch campus (external) (all but one unit)
	Honours in Human Resource Management (BCom(Hons))	• Murdoch campus (internal)
<b>Information Systems</b>	Applied Information Systems (BAppInfoSys)	• Murdoch campus (internal) • Some units only: Murdoch campus (external) (all but one unit)

Group	Course	Offerings
<b>Information Technology Management</b>	Information Technology Management (BITMan)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Interactive Digital Design</b>	Interactive Digital Design (BDMedia) Honours in Interactive Digital Design (BDMedia(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (internal)</li> </ul>
<b>International Aid and Development</b>	International Aid and Development (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>International Business</b>	International Business (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Internet Software Development</b>	Internet Software Development (BSc) Honours in Internet Software Development (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch campus (internal)</li> </ul>
<b>Internetworking and Network Security</b>	Internetworking and Security (BSc) Honours in Internetworking and Security (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> <li>• Murdoch campus (internal)</li> </ul>
<b>Journalism</b>	Journalism (BCommun) Honours in Journalism (BCommun(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> <li>• Murdoch campus (internal)</li> </ul>
<b>Law</b>	Common Law (BCL) Juris Doctor (JD)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> <li>• Murdoch campus (internal)</li> <li>• Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> </ul>
	Law (Four-Year Degree) (LLB)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> </ul>

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Group	Course	Offerings
	Law (LLB) + Other Bachelor Degree	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)</li> <li>• Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)</li> </ul>
<b>Legal Studies</b>	Honours in Law (LLB(Hons))	•
	Legal Studies (BLS)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Management</b>	Honours in Legal Studies (BLS(Hons))	• Murdoch campus (internal)
	Management (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Marine Science</b>	Honours in Management (BCom(Hons))	• Murdoch campus (internal)
	Marine Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Marketing and Marketing Management</b>	Honours in Marine Science (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Marketing (BCom)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Marketing and the Media</b>	Honours in Marketing (BCom(Hons))	• Murdoch campus (internal)
	Marketing and the Media (BMM)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Mathematics and Statistics</b>	Honours in Marketing and the Media (BMM(Hons))	• Murdoch campus (internal)
	Mathematics and Statistics (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
	Honours in Mathematics and Statistics (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (subject to approval of Academic Chair)</li> </ul>
<b>Mineral Science</b>	Mineral Science (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Mineral Science (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Miscellaneous</b>	Double Degree Five Year	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Double Degree Four Year	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Molecular Biology</b>	Molecular Biology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Molecular Biology (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Nursing</b>	Nursing (BNurs)	<ul style="list-style-type: none"> <li>• Peel campus (internal)</li> </ul>
	Nursing Conversion (BNursConv)	<ul style="list-style-type: none"> <li>• Peel campus (internal)</li> </ul>
	Honours in Nursing (BNurs(Hons))	<ul style="list-style-type: none"> <li>• Some units only: Murdoch campus (internal) (one unit only)</li> <li>• Some units only: Peel campus (internal) (all but one unit)</li> </ul>
<b>Online Communication and Production</b>	Online Communication and Production (BMedia)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Philosophy</b>	Philosophy (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Philosophy (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Physics and Nanotechnology</b>	Physics and Nanotechnology (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Physics and Nanotechnology (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Politics and International Studies</b>	Politics and International Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Politics and International Studies (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Psychology</b>	Psychology (BPsych, BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (BA only)</li> </ul>
	Honours in Psychology (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Psychology (BPsych(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Public Policy and Management</b>	Public Policy and Management (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Public Policy and Management (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Public Relations</b>	Public Relations (BCommun)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Public Relations (BCommun(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



Group	Course	Offerings
<b>Screen and Sound</b>	Screen Production (BMedia)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Screen Production (BMedia(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Security, Terrorism and Counterterrorism</b>	Security, Terrorism and Counterterrorism Studies (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Security, Terrorism and Counterterrorism Studies (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Sociology</b>	Sociology (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Sociology (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Sound</b>	Sound (BMedia)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Sound (BMedia(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Sports Science</b>	Sports Science (BSportsSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Honours in Sports Science (BSportsSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Sustainable Development</b>	Climate Change Management (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Sustainability (BBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Sustainable Development (BA, BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (BSc Sustainable Development only)</li> </ul>
	Honours in Sustainable Development (BA(Hons), BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Sustainable Energy Management</b>	Sustainable Energy Management (BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Sustainable Energy Management (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Theology</b>	Theology (BA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Theology (BTheol)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Honours in Theology (BA(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Tourism</b>	Applied Events Management (BTourAppEvents)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Tourism (BTour)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Honours in Tourism (BTour(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Veterinary Science</b>	Veterinary Science (BVMS, BSc)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Honours in Applied Veterinary Medicine (BVMS(Hons))	<ul style="list-style-type: none"> <li>•</li> </ul>
	Honours in Veterinary Biology (BSc(Hons))	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

## ACCOUNTING

### ACCOUNTING (BCOM)

#### Murdoch Business School

Bachelor of Commerce (BCom) in Accounting

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

Accounting is an integral part of the management process in any business or public enterprise. It acts as an evaluation and control aid when looking at the effectiveness and efficiency of the operations of an enterprise as well as employee performance. It provides information to assist users in making decisions for a variety of purposes, including the acquisition or sale of shares, lending of money, and provision of goods on credit.

In addition, Accounting helps managers, owners and investors to look after the assets and investments of the organisation over the latest financial reporting period. Capital investment and strategic decisions also use data produced by the accounting process.

#### Employment Prospects:

The Accounting major is usually chosen by students interested in a career as a professionally qualified accountant. Graduates of this course can gain employment with professional accounting firms (working with clients in areas such as audit, taxation, and business services), in government, in other private sector firms, and in not-for-profit organisations.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

#### Recommended Double Majors:

Finance (BCom)

#### Recommended Minors:

Banking; Derivative Securities

#### Excluded Minors:

Accounting

#### Professional Recognition:

CPA Australia, Institute of Chartered Accountants in Australia (ICAA) and National Institute of Accountants (NIA).

Students can satisfy the entry requirements (when the right combination of core and elective units are selected) for admission to membership of the professional accounting bodies. These include Associate membership of CPA Australia, and direct entry into the Institute of Chartered Accountants in Australia CA Programme and Associate membership of the National Institute of Accountants. Students who have been granted Advanced Standing must discuss their enrolment and selection of units with the Academic Chair as their Advanced Standing may affect their ability to satisfy the

admission requirements to the professional accounting bodies on completion of their degree.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 21 credit points

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
KDUPJ: S1K-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
KDUPJ: S2K-internal

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal  
Rockingham: S1-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
KDUPJ: S2K-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KDUPJ: S1K-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
KDUPJ: S2K-internal

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KDUPJ: S2K-internal

#### Part II - 48 credit points

##### Core Units - 24 credit points

BUS217 Technology and Accounting Processes -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal  
KDUPJ: S1K-internal, S2K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS224 Corporate Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal  
Rockingham: S1-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS227 Management Accounting -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS256 Contemporary Financial Accounting -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS328 Company Law -- 4 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS310 Accounting Theory and Accountability -- 4 pts  
Murdoch: S2-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

#### Additional Professional Accreditation requirements

In order to qualify for admission to membership of the professional accounting bodies (CPA Australia, ICAA and the NIA) students must complete the following two units:

BUS312 Auditing -- 4 pts  
Murdoch: S2-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

BUS313 Taxation -- 4 pts  
Murdoch: S1-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

Also recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

#### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## APPLIED ACCOUNTING (BBUSAPPACC)

### Murdoch Business School

Bachelor of Business in Applied Accounting (BBusAppAcc)

Course Codes: B1295

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Rockingham campus (internal)

The Bachelor of Business in Applied Accounting provides professional membership qualifications in the accounting profession. Graduates from the Challenger TAFE Diploma of Accounting will be awarded one year of credit and will enter the course at the second year. The course includes a work-based internship program which will prepare students for a smooth transition into the workforce upon graduation.

The course provides an opportunity for successful graduates to gain employment in the business field specialising in accounting. It provides a platform for those students wishing to develop a professional career that is well paid and provides both national and international working opportunities.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Professional Recognition:

Graduates of the Bachelor of Business in Applied Accounting will gain associate membership status with one of the three national accounting bodies: CPA Australia; Institute of Chartered Accountants in Australia; or the National Institute of Accountants.

### Course Structure - 72 credit points

#### Part I - 30 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 21 credit points

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal  
Rockingham: S1-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

**Part II - 42 credit points****Core Units - 34 credit points**

BUS217 Technology and Accounting Processes -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

BUS224 Corporate Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal  
Rockingham: S1-internal

BUS227 Management Accounting -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

BUS256 Contemporary Financial Accounting -- 4 pts  
Murdoch: S1-internal, S1-external

BUS328 Company Law -- 4 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

BUS310 Accounting Theory and Accountability -- 4 pts  
Murdoch: S2-internal

BUS357 Preparation for Internship -- 2 pts  
NA 2011

BUS358 Internship Placement -- 8 pts  
NA 2011

**Specified Electives - 0 to 4 credit points**

Students who have completed the Challenger TAFE Diploma of Accounting and received one year of credit on the basis of these studies must take the following:

TLC222 Learning and Communicating in Business -- 4 pts  
Murdoch: S1-internal  
Rockingham: S1-external

**General Electives - 4 to 8 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a

student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\*Those who fail 50 per cent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 per cent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\*Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

**HONOURS IN ACCOUNTING (BCOM(HONS))****Murdoch Business School**

Bachelor of Commerce with Honours (BCom(Hons)) in Accounting

Course Codes: H1197

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## ANIMAL SCIENCE

### ANIMAL SCIENCE (BANIMSC)

#### School of Veterinary and Biomedical Sciences

Bachelor of Animal Science (BAnimSc)

Course Codes: B1222

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of this degree in Animal Science is to train an adaptable animal scientist who will find employment in a wide range of agricultural industries. The degree will be excellent preparation for a career in animal agriculture and the animal research industries.

In the first year, students will be introduced to the major animal production industries and also study chemistry, introductory physiology and anatomy, statistics, cell biology, and animal ethics. Students also have the option of studying economics.

During second and third year, students will undertake further study in animal production systems (including scientific writing and communication), biochemistry, animal molecular biology, physiology and anatomy, immunology and vaccines, statistics, pathology, nutrition, microbiology, parasitology and genetics.

Fourth year allows students to choose from a selection of animal-based subjects at Murdoch University. As the principal activity, students will undertake a research project.

#### Employment Prospects:

Gradlink surveys over the past five years indicate at least 75 per cent full-time employment. About 20 per cent of graduates go on to further full-time study. Agricultural industries employ animal science graduates in a variety of roles such as consultants, technical advisors, and government research officers.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have studied Chemistry 3A/3B and at least Mathematics 2A/2B.

English competence.

#### Special Requirements:

Internet access, on-campus attendance for laboratory sessions.

#### Recommended Minors:

Applied Statistics; Business Economics; Molecular Biology; Physiology and Pharmacology

#### Professional Recognition:

Australian Institute of Agricultural Science and Technology (AIAST).

#### Main Research Areas:

Animal Production, Agricultural and Veterinary Biotechnology.

### Course Structure - 96 credit points

#### Course Prerequisites

##### Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 15 credit points

ANS101 Animal Production Systems I -- 3 pts  
Murdoch: S2-internal

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ANS106 Animal and Human Bioethics -- 3 pts  
Murdoch: S2-internal

##### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a minor.

Recommended:

ANS102 Introduction to the Animal Body -- 3 pts  
Murdoch: S1-internal

#### Part II - 72 credit points

##### Core Units - 56 credit points

ANS253 Physiology and Anatomy of Farm Animals -- 4 pts  
Murdoch: S2-internal

ANS251 Agricultural Biochemistry -- 4 pts  
Murdoch: S1-internal

ANS252 Animal Molecular Biology -- 4 pts  
Murdoch: S1-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

ANS350 Pathology and Disease of Production Animals -- 4 pts  
Murdoch: S1-internal

ANS351 Animal Microbiology -- 4 pts  
Murdoch: S2-internal

ANS354 Animal Nutrition and Toxicology -- 4 pts  
Murdoch: S1-internal

ANS356 Animal Parasitology -- 4 pts  
Murdoch: S2-internal

ANS450 Animal Science Research Project -- 12 pts  
Murdoch: Y-internal

ANS250 Animal Production Systems II -- 4 pts  
Murdoch: S1-internal

ANS353 Animal Production Systems III -- 4 pts

Murdoch: S1-internal

ANS357 Animal Industry Experience -- 0 pts

Murdoch: S2-internal

ANS458 Animal Production Systems IV -- 4 pts

Murdoch: Y-internal

### **General Electives - 16 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a minor.

Recommended:

ANS459 Applied Animal Agriculture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

ANS4591 Applied Animal Breeding -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

ANS361 Equine Physiology and Behaviour -- 4 pts

Murdoch: S2-internal

ANS362 Equine Nutrition and Health -- 4 pts

NA 2011

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## **HONOURS IN ANIMAL SCIENCE (BANIMSC(HONS))**

### **School of Veterinary and Biomedical Sciences**

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High Distinction.

Please check the online Handbook at a later date.

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## **ARTS**

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### **THEATRE AND DRAMA (BA)**

#### **School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Theatre and Drama

Course Codes: B1300

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Theatre and Drama is an exciting major that offers excellent opportunities to develop practical and analytical skills in a broad range of theatre and performance styles. As well as being introduced to many different forms of historical, critical and creative practices, students will be offered the opportunity to develop skills in the areas of acting; design; lighting and sound; production and stage management; and publicity. Upon completion of the major, graduates will be skilled and confident in their ability to undertake critical and creative work in the area.

#### **Employment Prospects:**

Graduates may choose to pursue a career as a producer/director, actor, stage manager or scriptwriter, find jobs in the television and film industry or decide to enter the teaching profession. Some potential employers may be theatre/drama companies and

radio/television networks.

#### **Admission Requirements (Onshore):**

As per normal admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

A Working with Children Check will be required for some practical components.

#### **Recommended Double Majors:**

English and Creative Writing (BA); Interactive Digital Design (BDMedia)

#### **Recommended Minors:**

Acting and Screen; Creative Arts; Creative Writing; Literature

#### **Excluded Minors:**

Theatre and Drama Studies

#### **Main Research Areas:**

Performance praxis; writing for the stage; contemporary acting theories; performance art; installation works; dance; design; directing; lighting and sound design; dramaturgy; and production and stage management.

#### **On-Campus Study Requirement:**

This course includes a number of compulsory on-campus components. For further information see individual unit descriptions or contact the School Office.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 9 credit points**

SSH100 Ideas in Action -- 3 pts

Murdoch: S2-internal, S2-external

EGL106 Introduction to Drama -- 3 pts

Murdoch: S2-internal

EGL121 Introduction to Literature -- 3 pts

Murdoch: S1-internal, S1-external

##### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Interactive Digital Design (BDMedia).

Recommended:

EGL122 Creative Writing: Text and Practice I -- 3 pts

Murdoch: S1-internal, S1-external

EGL114 Introduction to Creative Arts -- 3 pts

Murdoch: S1-internal, S1-external

EGL150 Writing for Professional Purposes -- 3 pts

Murdoch: S1-internal

**Part II - 48 credit points****Core Units - 12 credit points**

Select from the following:

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL329 Acting and Production II -- 4 pts  
Murdoch: S2-internal

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 12 credit points**

Select from the following units or from Core Units not already completed:

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

EGL308 Shakespeare -- 4 pts  
Murdoch: S2-internal, S2-external

EGL215 Design -- 4 pts  
Murdoch: S2-internal

EGL202 Contemporary Theatre Practice -- 4 pts  
Murdoch: S1-internal

EDN352 Engaging Communities through Drama -- 4 pts  
NA 2011

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Interactive Digital Design (BDMedia).

**HONOURS IN THEATRE AND DRAMA (BA(HONS))****School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in Theatre and Drama

Course Codes: H1227

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend student's grasp of the principles and practice in their subject, and to develop skills for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 8 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

EGL461 Theories in the Humanities - Honours -- 4 pts  
Murdoch: S1-internal

**Specified Elective - 4 credit points**

Select from the following:

EGL469 Honours Dissertation Preliminary -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

EGL4181 Honours Topic in Theatre and Drama -- 4 pts  
Murdoch: S1-internal, S2-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

EGL4189 Honours Thesis in Theatre and Drama -- 12 pts  
Murdoch: S1-internal, S2-internal

**ASIAN STUDIES****ASIAN STUDIES (BA)****School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Asian Studies

Course Codes: B1063

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

For political, economic, environmental and cultural reasons, the countries of East and South-East Asia will play an increasingly important role in contemporary global change. This three-year degree offers the opportunity to study the literature, media, religion, history, politics, economics, sociology and anthropology of the Asian region. The combination of Asian Studies with another discipline through a double major or minor is highly recommended.

**Employment Prospects:**

The major is intended to provide the background for careers in teaching, the diplomatic service, law, public service, business, and journalism, which require interdisciplinary perspectives on the Asian cultural, political and economic context.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Community Development (BA); History (BA); Politics and International Studies (BA)

**Recommended Minors:**

Anthropology; Asian Languages; Chinese Business; Creative Arts; Issues in Global Development; Modern Social History; Public Policy

and Management; Sociology; Tourism

**Excluded Double Majors:**

Asian Studies (Specialist) (BAsianSt); International Business (BCom)

**Excluded Minors:**

Asian Studies

**Languages and Writing Skills:**

It is possible to study an Asian language in this course and students are encouraged to consider this, although language study is not a requirement. Students with an interest in attaining a higher degree of language competence are referred to the four-year Bachelor of Asian Studies (Specialist) with specialisations in Indonesian Studies and Japanese Studies.

Asian Studies students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

AST102 Introduction to Asian Cultures -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

OR

AST101 Introduction to Contemporary Asia -- 3 pts  
NA 2011

**General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); History (BA); Politics and International Studies (BA).

Recommended: Students may wish to consider enrolling in a Language unit from the following list. Language units are sequential and students may enrol either for the first semester or, depending on language proficiency, second semester.

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

JPN171 Japanese 1A -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese 1B -- 6 pts  
Murdoch: S2-internal

**Part II - 48 credit points**

**Core Units - 4 credit points**

Select at least one of the following:

HIS285 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

AST212 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 20 credit points**

Select from the following:

AST212 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

HIS285 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

AST330 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

AST331 Rise of Asia and Modern History -- 4 pts  
NA 2011

AST258 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

JPN208 Japan in the World: Nation, Culture, Image -- 4 pts  
NA 2011

HIS210 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

JPN214 Postwar Japan -- 4 pts  
NA 2011

BUS241 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

IND271 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

AST256 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

AST276 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

One of the following may be substituted for one of the above electives:

POL257 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

BUS243 Chinese Business -- 4 pts  
Murdoch: S1-internal, S1-external

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

LAW334 Indonesian Law -- 4 pts  
NA 2011

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external

THE489 Christianity in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

PHL217 Meaning and Interpretation -- 4 pts  
NA 2011



STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

COD235 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

EGL223 World Writing Today -- 4 pts  
Murdoch: S2-internal, S2-external

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

Asian language units at 200/300/400-level may constitute up to 12 points of Specified Electives.

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); History (BA); Politics and International Studies (BA).

Recommended:

Students may wish to consider cross institutional enrolment in the following University of Tasmania unit:  
HMN304 Indonesian Literature in its Social Context.

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## **ASIAN STUDIES (SPECIALIST) (BASIANST)**

### **School of Social Sciences and Humanities**

*Bachelor of Asian Studies (Specialist) (BAsianSt)*

Course Codes: B1152

Duration: 4 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (Indonesian Language only - all but 'Semester in Indonesia' units)

This is a four-year major in which students specialise in one of two language-culture areas: Indonesian Studies or Japanese Studies. The major provides students with the opportunity to study the literature, religion, history, politics, economics, environment, sociology and anthropology of their chosen specialisation.

Indonesian Studies: South-East Asia is a dynamic and rapidly industrialising region of considerable cultural, economic and political importance to Australia. This course is designed to give students advanced language skills and the opportunity to study literature, religion, history, politics, economics and anthropology with special reference to Indonesia and island South-East Asia. Indonesian language study is a compulsory part of the course, with units available at all levels, from introductory through to advanced.

Japanese Studies: Japan has undergone dramatic social, economic and political change in the past 150 years. The Japanese Studies course integrates study of the language with a focus on the study of modern Japanese culture, history and politics. Units in the Japanese language are a compulsory part of the course, which is open to complete beginners and to those with some knowledge of Japanese.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally;

exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

An intensive year of language study (usually in fourth year) is required to be taken either in-country or at Murdoch (where numbers permit). Entry to the in-country language year is competitive and may involve some financial outlay. Details of scholarships and more information on in-country study can be obtained from the Asian Studies Academic Chair.

The course is open to beginners as well as those with language competency. Students with language competency will be granted exemption from lower level language units and will be placed at the level appropriate to their level of competency. Such students may be required to take alternative units to replace the lower level language units.

#### **Recommended Double Majors:**

Community Development (BA); Economics (BEcon); History (BA); Politics and International Studies (BA)

#### **Recommended Minors:**

Anthropology; Community Development; Ethics; Politics; Security, Terrorism and Counterterrorism; Sustainable Development; Sustainable Tourism

#### **Excluded Double Majors:**

Asian Studies (BA); International Business (BCom)

#### **Excluded Minors:**

Asian Languages [unless taken in a different language]; Asian Studies

#### **Bachelor of Arts:**

Students who wish to undertake a three-year major in Asian Studies are directed to the Bachelor of Arts (Asian Studies). Language study is not a compulsory part of the three-year Bachelor of Arts (Asian Studies) major.

#### **Writing Skills:**

Asian Studies students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II.

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## **Indonesian Studies**

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 12 credit points**

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

AST102 Introduction to Asian Cultures -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

OR

AST101 Introduction to Contemporary Asia -- 3 pts  
NA 2011

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); Economics (BEcon); History (BA); Politics and International Studies (BA).

**Part II - 72 credit points****Core Units - 44 credit points**

Select one of the following:

HIS285 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

AST212 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

Plus the following language units which must be taken in the order listed below:

IND261 Indonesian 2A -- 4 pts  
Murdoch: S1-internal, S1-external

IND262 Indonesian 2B -- 4 pts  
Murdoch: S2-internal, S2-external

IND361 Indonesian 3A -- 4 pts  
Murdoch: S1-internal, S1-external

IND362 Indonesian 3B -- 4 pts  
Murdoch: S2-internal, S2-external

Plus two enrolments, in consecutive semesters, in one of the following:

IND243/IND343/IND643 Semester in Indonesia -- 12 pts  
Murdoch: S1-internal, S2-internal

Students are normally required to have completed the equivalent of six semesters of Indonesian language training as a prerequisite to the Semester in Indonesia which may be taken in either first or second semester.

**Specified Electives - 12 credit points**

Select from the following:

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

AST330 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

AST331 Rise of Asia and Modern History -- 4 pts  
NA 2011

AST256 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

AST276 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

AST258 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

IND271 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

IND452 Indonesian Language Project -- 4 pts  
NA 2011

**General Electives - 16 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); Economics (BEcon); History (BA); Politics and International Studies (BA).

Recommended:

Students may wish to consider cross-institutional enrolment in the following unit from the University of Tasmania:  
HMN304 Indonesian Literature in its Social Context

For the Cross-Institutional Enrolment form see:  
<http://www.murdoch.edu.au/goto/StudentForms>

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**Japanese Studies****Course Structure - 96 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

JPN171 Japanese IA -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese IB -- 6 pts  
Murdoch: S2-internal

AST102 Introduction to Asian Cultures -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

OR

AST101 Introduction to Contemporary Asia -- 3 pts  
NA 2011

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); Economics (BEcon); History (BA); Politics and International Studies (BA).

**Part II - 72 credit points****Core Units - 40 credit points**

The following language units must be taken in the order listed:

JPN204 Japanese IIA -- 4 pts  
Murdoch: S1-internal

JPN205 Japanese IIB -- 4 pts  
Murdoch: S2-internal

JPN363 Japanese IIIA -- 4 pts  
Murdoch: S1-internal

JPN364 Japanese IIIB -- 4 pts  
Murdoch: S2-internal

Plus two enrolments in one of the following units, in consecutive semesters:

JPN243/JPN343/JPN643 Semester in Japan -- 12 pts  
Murdoch: S1-internal, S2-internal

#### **Specified Electives - 12 credit points**

Select from the following:

JPN214 Postwar Japan -- 4 pts  
NA 2011

HIS210 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

JPN452 Japanese Language Project -- 4 pts  
NA 2011

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

AST330 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

AST331 Rise of Asia and Modern History -- 4 pts  
NA 2011

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

AST258 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

#### **General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Community Development (BA); Economics (BEcon); History (BA); Politics and International Studies (BA).

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## **HONOURS IN ASIAN STUDIES (BA(HONS))**

### **School of Social Sciences and Humanities**

*Bachelor of Arts with Honours (BA(Hons)) in Asian Studies*

Course Codes: H1064

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

## **Course Structure - 24 credit points**

### **Coursework - 12 credit points**

#### **Core Units - 8 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

AST4041 Honours Topic in Asian Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### **Elective Units - 4 credit points**

Select from the following:

AST4042 Honours Topic in Asian Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

### **Thesis - 12 credit points**

AST4049 Honours Thesis in Asian Studies -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## **HONOURS IN ASIAN STUDIES (SPECIALIST) (BASIANST(HONS))**

### **School of Social Sciences and Humanities**

*Bachelor of Asian Studies with Honours (BAsianSt(Hons))*

Course Codes: H1162

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

## **Course Structure - 24 credit points**

### **Coursework - 12 credit points**

#### **Core Units - 8 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

AST4901 Honours Topic in Asian Studies (Specialist) -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Elective Units - 4 credit points**

Select from the following:

AST4902 Honours Topic in Asian Studies (Specialist) -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level)  
-- 4 pts

**Thesis - 12 credit points**

AST4909 Honours Thesis in Asian Studies (Specialist) -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**AUSTRALIAN INDIGENOUS STUDIES****See also:**

Education + Australian Indigenous Studies

**AUSTRALIAN INDIGENOUS STUDIES (BA)****Kulbardi Centre**

Bachelor of Arts (BA) in Australian Indigenous Studies

Course Codes: B1059

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Some units only: Rockingham campus (internal)

This major offers students a broad interdisciplinary approach to the study of Australia's Indigenous cultures. Its scope includes both traditional and contemporary forms of Aboriginal society and culture, and develops an overall framework for understanding the variety of traditions that together constitute Aboriginality and investigates how this interacts and influences within Australian identity and culture.

Students will be introduced to a range of interdisciplinary approaches, including cultural, political and social theories, literary and linguistic analysis, history and anthropology. The major will challenge the ethnocentric approach of many towards Aboriginal cultures in Australia today, while situating Australian Indigenous studies firmly in appropriate intercultural and interdisciplinary contexts.

**Employment Prospects:**

A degree in Australian Indigenous Studies can be combined with a vocational major to provide professional training for administrative careers within the Federal or State public service. An Australian Indigenous Studies degree is particularly useful for students who anticipate working for Indigenous and mainstream community organisations or in areas such as Health, Education, Media, Law, Community Development and Environmental Science.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Recommended Double Majors:**

Communication and Media Studies (BCommun); Sustainable Development (BA, BSc)

**Recommended Minors:**

Journalism; Media Studies; Social Psychology

**Excluded Double Majors:**

Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA)

**Excluded Minors:**

Australian Indigenous Studies

**Main Research Areas:**

History, environmental, sociology, heritage, community development, culture and media.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

AI180 Introduction to Australian Indigenous Studies -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

Plus one unit from the following:

AI174 Contemporary Indigenous Cultural Expression -- 3 pts  
Murdoch: S2-internal, S2-external

OR

AI177 Introduction to Nyungar Culture -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

**General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Sustainable Development (BA, BSc).

**Part II - 48 credit points****Core Units - 24 credit points**

Select from the following:

AI281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

AI228 Our Mob: Indigenous Families -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AI205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

AI301 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

AI250 Special Topics in Australian Indigenous Studies: Indigenous Spirituality -- 4 pts  
Murdoch: S1-internal, S1-external

AI303 Indigeneity and Critical Theory -- 4 pts  
Murdoch: S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

NUR234 Indigenous Culture and Health Care -- 4 pts  
Peel: S2-internal

AIS2721 Wanju Boodjah 'Welcome To Country' -- 4 pts  
Murdoch: W1-internal

AIS338 Blacks and Whites: Aboriginal Colonised History -- 4 pts  
Murdoch: S2-internal, S2-external

Students may substitute one unit (4 points) in lieu of a Core Unit from the following list:

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN263 Aboriginal Perspectives Across the Curriculum -- 4 pts  
Murdoch: S1-internal

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Sustainable Development (BA, BSc).

## HONOURS IN AUSTRALIAN INDIGENOUS STUDIES (BA(HONS))

### Kulbardi Centre

Bachelor of Arts with Honours (BA(Hons)) in Australian Indigenous Studies

Course Codes: H1059

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Core Units - 12 credit points

AIS4161 Honours Topic in Australian Indigenous Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

AIS4162 Honours Topic in Australian Indigenous Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

### Thesis - 12 credit points

AIS4169 Honours Thesis in Australian Indigenous Studies -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## BANKING

### BANKING (BCOM)

#### Murdoch Business School

Bachelor of Commerce (BCom) in Banking

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

Traditionally banks have recruited new staff directly from schools. Today they are recruiting more graduates from tertiary institutions. In banking units the student is exposed to the issue of information asymmetry that exists between the borrower and the lender and the need to design contracts that reveal and monitor the quality of the borrower. The units also consider the nature and legal implications of the banker-customer relationship. The high debt that financial institutions have in their capital structure, the interest sensitivity of their assets and the liquidity that depositors demand result in unique interest, credit and liquidity risk management issues. These issues are further complicated by government regulation and directives.

#### Employment Prospects:

Completion of the banking major will open up employment opportunities for students in all types of financial institutions.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

#### Recommended Double Majors:

Finance (BCom)

#### Excluded Minors:

Banking

#### Professional Recognition:

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Finance (BCom).

**Part II - 48 credit points****Core Units - 24 credit points**

BUS206 Finance Law -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS224 Corporate Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal  
Rockingham: S1-internal  
KAPLAN-SGP: T2A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS244 Treasury Management -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS290 International Financial Markets and Institutions -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS326 Commercial Banking -- 4 pts  
Murdoch: S2-internal  
SGP1: T2B-internal

BUS337 Credit and Lending Decisions -- 4 pts  
Murdoch: S1-internal  
SGP1: T2B-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Finance (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts

for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

**HONOURS IN BANKING (BCOM(HONS))****Murdoch Business School**

*Bachelor of Commerce with Honours (BCom(Hons)) in Banking*

Course Codes: H1198

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## BIOLOGICAL SCIENCES

### See also:

Biotechnology  
Conservation and Wildlife Biology  
Molecular Biology

## BIOLOGICAL SCIENCES (BSC)

### School of Biological Sciences and Biotechnology

Bachelor of Science (BSc) in Biological Sciences

Course Codes: B1031

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Biological Sciences major aims to produce biologists with wide-ranging training and experience in a broad area of biology. It adopts an integrated approach to the major themes of biology, from the molecular and cellular levels to the whole organism and community levels. This is achieved by examining the common features and differences in the biochemistry, genetics, physiology, ecology and behaviour of micro-organisms, plants and animals.

In addition, students may select electives to place emphasis on animal biology, biochemistry, ecology, environmental biology and microbiology.

### Employment Prospects:

Graduates find employment with government departments such as CALM and the Department of Agriculture, hospitals and medical laboratories, in teaching and in the private sector. Employment prospects are broadened by taking a double major, or a major and one or more minors.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

Students will not be required to kill any vertebrate animal, although they may be required to work with vertebrate tissues or products. Some collection of invertebrate specimens is required.

### Recommended Double Majors:

Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc)

### Recommended Minors:

Animal Biology; Applied Statistics; Conservation Biology; Fisheries Science; Marine Biology; Mathematical Modelling; Molecular Biology; Plant Biology

### Professional Recognition:

Graduates are eligible for admission to a wide range of professional societies.

### Main Research Areas:

Animal and plant biology and conservation, molecular biology, plant pathology, microbiology, fisheries biology, plant/fungal interactions, plant tissue culture, behavioural ecology.

## Course Structure - 72 credit points

### Course Prerequisites

#### Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 12 credit points

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc).

### Part II - 48 credit points

#### Core Units - 28 credit points

BIO261 Animal Diversity -- 4 pts  
Murdoch: S1-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

BIO265 Plant Diversity -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external

BIO372 Genetics and Evolution -- 4 pts  
Murdoch: S2-internal

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

### General Electives - 20 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc).

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### HONOURS IN BIOLOGICAL SCIENCES (BSC(HONS))

#### School of Biological Sciences and Biotechnology

Bachelor of Science with Honours (BSc(Hons)) in Biological Sciences

Course Codes: H1029

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Honours Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Thesis - 24 credit points

Full-time students will be enrolled in:

BIO4009-12 Honours Thesis in Biological Sciences -- 12 pts  
NA 2011

Plus a further enrolment in:

BIO4009-12 Honours Thesis in Biological Sciences -- 12 pts  
NA 2011

## BIOMEDICAL SCIENCE

#### See also:

Forensic Biology

### BIOMEDICAL SCIENCE (BSC)

#### School of Veterinary and Biomedical Sciences

Bachelor of Science (BSc) in Biomedical Science

Course Codes: B1056

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Biomedical Science applies the principles of cellular and molecular biology to the understanding of normal function and disease in humans and other animals.

The Biomedical Science major provides students with an opportunity to focus their training and experience in medical and mammalian biology. The course integrates the major themes of biomedical sciences at the molecular, cellular and whole-body level and addresses the remarkable advances being made by biomedical research. Knowledge from the fundamental disciplines of anatomy, physiology, biochemistry, histology and cell biology is integrated with, and applied to, knowledge in the paraclinical disciplines of pathology, microbiology, parasitology, immunology and molecular genetics, and pharmacology. Teaching of these fundamental subjects is carried out on a problem-solving basis dealing with body systems and disease within each discipline.

The major also prepares students for dealing with the impact and ethics of the scientific approach used in biomedical sciences. The material within this major provides pre- and paraclinical training and is excellent preparation for a career in medical research or entry to a postgraduate medical degree.

#### Employment Prospects:

Biomedical scientists find employment in hospitals, medical research institutes, universities, government agencies and the private sector where they are in demand as Medical Researchers, Medical Technologists, Biopharmaceutical Scientists, Health Department Administrators, Patent Attorneys, Medical Sales and Marketing Professionals, Biostatisticians and Teachers/Academics.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

Students are required to participate in practical work involving animals and/or fresh tissues from dead animals throughout the major.

#### Recommended Double Majors:

Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Molecular Biology (BSc)

#### Recommended Minors:

Applied Statistics; Forensic Biology; Molecular Biology

#### Excluded Minors:

Biomedical Science; Infection and Immunity; Physiology and Pharmacology

#### Main Research Areas:

Improvement of the understanding, treatment, prevention and diagnosis of human diseases including infectious diseases, cancer, genetic disease and complex diseases such as Alzheimer's, asthma and diabetes.



**Course Structure - 72 credit points****Course Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

OR

ANS102 Introduction to the Animal Body -- 3 pts  
Murdoch: S1-internal

OR

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
(this unit is an acceptable alternative to BMS101, for students enrolled in Molecular Biology and undertaking a double major with Biomedical Science)

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Molecular Biology (BSc).

**Part II - 48 credit points****Core Units - 24 credit points**

BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internal

BMS261 Human and Comparative Biochemistry -- 4 pts  
Murdoch: S1-internal

OR

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BMS265 Medical Immunology and Molecular Genetics -- 4 pts  
Murdoch: S2-internal

OR

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

BMS203 Comparative and Human Microbiology -- 4 pts  
Murdoch: S2-internal

BMS360 Mechanisms of Disease -- 4 pts  
Murdoch: S1-internal

BMS368 Advances in Medical Science -- 4 pts  
Murdoch: S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Molecular Biology (BSc).

**HONOURS IN BIOMEDICAL SCIENCE (BSC(HONS))****School of Veterinary and Biomedical Sciences**

*Bachelor of Science with Honours (BSc(Hons)) in Biomedical Science*

Course Codes: H1055

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, to develop ability for independent research, and to facilitate their entry into industry employment.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Honours Academic Chair to discuss supervision of their potential research.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Thesis - 24 credit points**

Full-time students will be enrolled in:

BMS4709-12 Honours Thesis in Biomedical Science -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Plus a further enrolment in:

BMS4709-12 Honours Thesis in Biomedical Science -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**BIOTECHNOLOGY****See also:**

Biological Sciences  
Biotechnology + Commerce

**BIOTECHNOLOGY (BSC)****School of Biological Sciences and Biotechnology**

Bachelor of Science (BSc) in Biotechnology

Course Codes: B1032

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Biotechnology is concerned with the commercial applications of biological techniques or biological agents such as bacteria or isolated enzymes in medicine, agriculture or industry. Examples include fermentation processes such as wine, beer, bread and cheese making; enzyme engineering for the manufacture of vitamins, antibiotics and biochemicals; genetic engineering of plants and animals for agricultural and medical purposes; and environmental engineering to allow for the efficient treatment of wastes and the rehabilitation of polluted sites.

The major provides broad training as well as in-depth study in selected areas so as to generate graduates capable of operating in an interdisciplinary environment. Consequently, the major provides the opportunity to gain experience in the biological, chemical and commercial aspects of biotechnology with an emphasis on the development of the skills and knowledge applicable to a wide range of biotechnological processes. Areas studied include genetic engineering, immunology and vaccine production, fermentation technology and cell culture. Specialisations may be incorporated into the degree through the appropriate choice of double majors and minors (see Recommended Double Majors and Minors in this section). All students in the Biotechnology major are encouraged to obtain on-the-job training in industry, which may be achieved via an Industry Practicum or through a Professional Placement.

**Employment Prospects:**

Biotechnologists gain employment in pharmaceutical companies, in the food industry, in research and diagnostic teams in hospitals, in biotechnology companies, in agriculture departments, in university research centres and in the CSIRO. Some graduates have found employment in the legal field as patent attorneys while others have become sales managers in scientific equipment and pharmaceutical companies.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students entering this major to have completed TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics

2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking units in Biotechnology will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

**Recommended Double Majors:**

Biomedical Science (BSc); Chemistry (BSc); Entrepreneurship and Innovation (BCom) [also see Double Degree in Biotechnology and Commerce]; Management (BCom) [also see Double Degree in Biotechnology and Commerce]; Marketing (BCom) [also see Double Degree in Biotechnology and Commerce]; Molecular Biology (BSc)

**Recommended Minors:**

Animal Biology; Applied Statistics; Biomedical Science; Entrepreneurship and Innovation; Management; Marketing; Physiology and Pharmacology; Plant Biology

**Professional Recognition:**

Students who complete the three-year double major in Biotechnology and Chemistry are eligible for membership of the Royal Australian Chemical Institute (RACI).

**Course Structure - 72 credit points****Course Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or in Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

Students enrolled in a double major with Biomedical Science or Forensic Biology and Toxicology may complete BMS101 Introduction to the Human Body -- 3 pts instead of BIO103 Environmental Biology -- 3 pts.

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Students completing a double major with Chemistry should complete MAS182 Applied Mathematics -- 3 pts instead of MAS183 Statistical Data Analysis -- 3 pts.

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biomedical Science (BSc); Chemistry (BSc); Entrepreneurship and Innovation (BCom) [also see Double Degree in Biotechnology and Commerce]; Management (BCom) [also see Double Degree in Biotechnology and Commerce]; Marketing (BCom) [also see Double Degree in Biotechnology and Commerce]; Molecular Biology (BSc).

## Part II - 48 credit points

### Core Units - 28 credit points

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BUS215 Business Feasibility and Management Concepts -- 4 pts  
Murdoch: S1-internal

BIO301 Industrial Bioprocessing and Bioremediation -- 4 pts  
Murdoch: S2-internal

BIO253 Plant Biotechnology and Proteomics -- 4 pts  
Murdoch: S1-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

Students enrolled in a double major with Biomedical Science must complete BMS203 Comparative and Human Microbiology -- 4 pts instead of BIO263 Microbiology I -- 4 pts.

Students enrolled in a double major with Chemistry are exempt from BUS215 Business Feasibility and Management Concepts -- 4 pts and from one of the 300-level Chemistry units.

### General Electives - 20 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biomedical Science (BSc); Chemistry (BSc); Entrepreneurship and Innovation (BCom) [also see Double Degree in Biotechnology and Commerce]; Management (BCom) [also see Double Degree in Biotechnology and Commerce]; Marketing (BCom) [also see Double Degree in Biotechnology and Commerce]; Molecular Biology (BSc).

## HONOURS IN BIOTECHNOLOGY (BSC(HONS))

### School of Biological Sciences and Biotechnology

Bachelor of Science with Honours (BSc(Hons)) in Biotechnology

Course Codes: H1031

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Honours Academic Chair before submitting an application to discuss supervision arrangements of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

## Course Structure - 24 credit points

### Thesis - 24 credit points

Full-time students will be enrolled in:

BIO4039-12 Honours Thesis in Biotechnology -- 12 pts  
NA 2011

Plus a further enrolment in:

BIO4039-12 Honours Thesis in Biotechnology -- 12 pts  
NA 2011

## BIOTECHNOLOGY + COMMERCE

### See also:

Biotechnology  
Entrepreneurship and Innovation  
Management  
Marketing and Marketing Management

## BIOTECHNOLOGY (BSC) + MANAGEMENT (BCOM), BIOTECHNOLOGY (BSC) + MARKETING (BCOM), BIOTECHNOLOGY (BSC) + ENTREPRENEURSHIP AND INNOVATION (BCOM)

### School of Biological Sciences and Biotechnology

Bachelor of Science (BSc) in Biotechnology  
+ Bachelor of Commerce (BCom) in Entrepreneurship and Innovation or Management or Marketing

Course Codes: B1191

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Biotechnology is an applied science that uses the techniques of biochemistry, microbiology, molecular biology, fermentation technology and genetic engineering to generate commercial products of benefit to medicine, agriculture and industry. Because of the commercial applications of biotechnology, training in commerce is considered by employers in the biotechnology industry to be highly desirable. This specially constructed joint degree provides thorough training in biotechnology and in either

management, marketing or entrepreneurship and innovation. Graduates will be awarded a BSc (Biotechnology) and a BCom (Management or Marketing or Entrepreneurship and Innovation).

**Employment Prospects:**

Biotechnologists gain employment in pharmaceutical companies, in the food and beverage industry, in research and diagnostic teams in hospitals, in agriculture departments and in the mining industry. Because of the commercial and industrial applications of biotechnology, completion of a BCom will enhance employment prospects and ultimately lead to greater opportunities to move into management positions.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

**Special Requirements:**

Students undertaking units in Biotechnology will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

**Recommended Minors:**

Forensic Biology

**Excluded Minors:**

Entrepreneurship and Innovation; Management; Marketing

**Honours:**

Students who have successfully completed the four-year course and have achieved good grades in their units are encouraged to apply for admission to Honours in either the Biotechnology or Commerce majors.

**Note:**

Students undertaking this double qualification should note that, due to the combination of units offered, it is not possible to avoid timetable clashes between all units. Students will need to select their units carefully to ensure completion of the qualification within four years and should seek advice from the Academic Chair on the most appropriate enrolment pattern on a yearly basis.

Students completing Biotechnology + Management or Biotechnology + Entrepreneurship and Innovation will be granted 1 point of general credit once they have completed all requirements for their chosen course, in order to meet all completion requirements.

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**Biotechnology (BSc) + Management (BCom)**

**Course Structure - 96 credit points**

**Course Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and based on their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their

enrolment requirements.

**Part I - 27 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 24 credit points**

**Biotechnology**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Management**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

**Part II - 68 credit points**

**Core Units - 48 credit points**

**Biotechnology**

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

BIO253 Plant Biotechnology and Proteomics -- 4 pts  
Murdoch: S1-internal

BIO301 Industrial Bioprocessing and Bioremediation -- 4 pts  
Murdoch: S2-internal

**Management**

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS228 Workplace Law -- 4 pts  
Murdoch: S2-internal, S2-external

BUS317 Strategic Management -- 4 pts  
Murdoch: S2-internal

BUS378 Knowledge and Organisational Learning -- 4 pts  
Murdoch: S1-internal

BUS323 International Management -- 4 pts  
Murdoch: S1-internal

### **General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a minor.

Note: Students completing Biotechnology + Management will be granted 1 point of general credit once they have completed all requirements for their chosen course, in order to meet all completion requirements.

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## **Biotechnology (BSc) + Marketing (BCom)**

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and based on their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Unit - 21 credit points**

##### **Biotechnology**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### **Marketing**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

### **Part II - 72 credit points**

#### **Core Unit - 48 credit points**

##### **Biotechnology**

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

BIO253 Plant Biotechnology and Proteomics -- 4 pts  
Murdoch: S1-internal

BIO301 Industrial Bioprocessing and Bioremediation -- 4 pts  
Murdoch: S2-internal

##### **Marketing**

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal

BUS335 Marketing Research and Analysis -- 4 pts  
Murdoch: S2-internal

Plus two units from the following:

BUS208 Quantitative Methods for Business and Economics -- 4 pts  
Murdoch: S1-internal, S1-external

BUS321 International Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal

BUS336 Integrated Marketing Communications -- 4 pts  
Murdoch: S1-internal

BUS324 Services Marketing -- 4 pts  
Murdoch: S2-internal

BUS305 Digital Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal

BUS339 Advertising Production -- 4 pts  
Murdoch: S1-internal

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a minor.

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## **Biotechnology (BSc) + Entrepreneurship and Innovation (BCom)**

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 27 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 24 credit points

##### Biotechnology

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### Entrepreneurship and Innovation

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

### Part II - 68 credit points

#### Core Units - 36 credit points

##### Biotechnology

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

BIO253 Plant Biotechnology and Proteomics -- 4 pts  
Murdoch: S1-internal

BIO301 Industrial Bioprocessing and Bioremediation -- 4 pts  
Murdoch: S2-internal

##### Entrepreneurship and Innovation

BUS215 Business Feasibility and Management Concepts -- 4 pts  
Murdoch: S1-internal

BUS274 Entrepreneurship in Organisations -- 4 pts  
Murdoch: S2-internal, S2-external

BUS331 Applied Sustainable Entrepreneurship and Business Innovation -- 4 pts  
Murdoch: S2-internal

#### Specified Electives - 12 credit points

##### Entrepreneurship and Innovation

Select from the following:

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal

BUS216 Technology and the Law -- 4 pts  
Murdoch: S2-internal

#### General Electives - 20 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a minor.

Note: Students completing Biotechnology + Entrepreneurship and Innovation will be granted 1 point of general credit once they have completed all requirements for their chosen course, in order to meet all completion requirements.

## BUSINESS INFORMATION SYSTEMS

#### See also:

Information Systems

### BUSINESS INFORMATION SYSTEMS (BSC)

#### School of Information Technology

Bachelor of Science (BSc) in Business Information Systems

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)

Information Systems is the study of information generation, communication, storage, and application in the context of organised human activity. The increasing penetration of information technology into everyday organisational activity means that professionals in many areas, from management to engineering, increasingly need an understanding of information systems. The contribution of information systems to the functioning of organisations, the design and management of such systems and the development of systems to assist in other professional roles is emphasised in the Business Information Systems degree.

#### Employment Prospects:

Graduates typically find employment as business analysts. Graduates combining Business Information Systems with another major will experience enhanced employment prospects in that area.

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Recommended Double Majors:**

Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Internetworking and Security (BSc)

**Recommended Minors:**

Advanced Networking; Asian Languages; Computer Technology; Digital Marketing; Foundations of Information Systems; Fundamentals of Networking; Internet Computing; Management; Marketing; Network Security

**Excluded Double Majors:**

Applied Information Systems (BAppInfoSys)

**Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

**Specified Electives - 3 credit points**

Select from the following:

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

MAS167 Computational Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N1-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,

W2-internal  
DUBAI-ISC: N1-internal

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Internetworking and Security (BSc).

**Part II - 48 credit points****Core Units - 28 credit points**

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT353 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T3A-internal

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT333 Information Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT208 Business Intelligence Tools and Techniques -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT325 Human-Computer Interaction -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal

ICT256 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Internetworking and Security (BSc).

**HONOURS IN BUSINESS INFORMATION SYSTEMS (BSC(HONS))****School of Information Technology**

*Bachelor of Science with Honours (BSc(Hons)) in Business Information Systems*

Course Codes: H1207

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission

to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

**Core Units - 4 credit points**

ICT477 Information Technology Research Methodologies -- 4 pts  
 Murdoch: S1-internal

**Elective Units - 8 credit points**

Select from the following:

ICT4051 Advanced Honours Topic in Information Systems -- 4 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

ICT4052 Advanced Honours Topic in Information Systems -- 4 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500/600-level) -- 4 pts

Students may also be able to take ICT4021 Advanced Honours Topic in Computer Science -- 4 pts or ICT4022 Advanced Honours Topic in Computer Science -- 4 pts with the approval of the Honours Subcommittee Chair.

**Thesis - 12 credit points**

ICT4059 Honours Thesis in Information Systems -- 12 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

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**BUSINESS LAW**

**BUSINESS LAW (BCOM)**

**Murdoch Business School**

Bachelor of Commerce (BCom) in Business Law

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Business Law major provides an attractive complement to majors in accounting, finance, management and a range of specialist business studies. The major also supplements legal studies that are not business oriented and would be of value to students training in other professions contemplating small business operation.

Whether students are interested in government or private enterprise work, completion of the major will allow for an appreciation of relevant legal principles applicable to many important areas of business. Increasing regulation of business means professionals need legal knowledge that equips them to make informed business decisions and to recognise the need for further specific legal services. The major aims to include contemporary and relevant business law for this use.

**Employment Prospects:**

Prospective employers would include government agencies, small business operators, and medium to large corporations.

**Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Accounting (BCom); Economics (BEcon); Human Resource Management (BCom)

**Excluded Minors:**

Business Law; Finance Law

**Main Research Areas:**

Business law; Business regulation.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

LEG150 Australian Legal System -- 3 pts  
 Murdoch: S1-internal

BUS160 Introduction to Accounting -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS145 Principles of Management -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS165 Principles of Commercial Law -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Economics (BEcon); Human Resource Management (BCom).

**Part II - 48 credit points**

**Core Units - 24 credit points**

Select from the following:

BUS206 Finance Law -- 4 pts  
 Murdoch: S1-internal

BUS207 Tourism and Hospitality Law -- 4 pts  
 Murdoch: S1-internal, S1-external

BUS216 Technology and the Law -- 4 pts  
 Murdoch: S2-internal

BUS228 Workplace Law -- 4 pts  
 Murdoch: S2-internal, S2-external

BUS328 Company Law -- 4 pts  
 Murdoch: S2-internal  
 Rockingham: S2-internal



BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal

BUS313 Taxation -- 4 pts  
Murdoch: S1-internal

LEG221 Dispute Resolution -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Economics (BEcon); Human Resource Management (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts

Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## HONOURS IN BUSINESS LAW (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Business Law

Course Codes: H1199

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability

for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 12 credit points

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## CHEMISTRY

### CHEMISTRY (BSC)

#### School of Chemical and Mathematical Sciences

Bachelor of Science (BSc) in Chemistry

Course Codes: B1035

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Chemistry underpins many industries from manufacturing to drug discovery, agriculture to criminal investigation. Chemists play leading roles in the fight against disease, the discovery and utilisation of natural resources, the development of environmentally friendly industrial processes, as well as new materials for applications in nanotechnology, the space industry and other areas. It is important as a science in its own right, and is widely applicable to biological, environmental, energy conservation and industrial processes.

The structure of the Chemistry major has been designed to provide students with a thorough understanding of chemistry whilst retaining the flexibility to study complementary, specialised areas of interest as 'minors'. This is achieved by:

- providing a broad and diversified scientific base in first year, which includes essential principles of mathematics, physics and chemistry;
- expanding and developing chemical knowledge in second year; and
- allowing students to develop specialised skills in their third year.

#### Employment Prospects:

The employment situation for graduates with a Chemistry degree is bright, especially for those who combine chemistry with other disciplines. Opportunities for chemists are not limited to Australia, and the skills and knowledge acquired in a chemistry degree are valued around the world. The skills learned whilst studying chemistry can take graduates on to a satisfying career in numerous fields both in and out of the lab anywhere in the world. Chemists are found in roles within law and accounting firms, NGOs, government policy positions at the local and international level, and the art world. Creativity, passion, logical thinking, problem solving, and the ability to analyse complex situations are all skills at the top of any employer's list of desirable attributes. Chemists have these abilities in abundance. That's why chemists can be found at the forefront of research, teaching, the arts, and business.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is desirable for students entering this major to have completed WACE Chemistry, Physics and Mathematics: Specialist 3A/3B/3C/3D or the equivalent TEE subjects. Applicants having other backgrounds will be considered for admission, but may need make-up units in first year, and therefore may need more than one year to complete Part I.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

Students enrolling in units that have a practical component must make allowance for on-campus attendance to complete the practical work. The on-campus sessions for external students are generally held in a one week block; the dates are published in each unit guide.

#### **Recommended Double Majors:**

Biotechnology (BSc); Environmental Science (BEnvSc, BSc); Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Mineral Science (BSc); Molecular Biology (BSc); Physics and Nanotechnology (BSc)

#### **Professional Recognition:**

With an appropriate choice of units, graduates are eligible for membership of the professional organisation for chemists, the Royal Australian Chemical Institute (RACI).

#### **Main Research Areas:**

Solution chemistry, energy storage, bio-inorganic chemistry, hydrometallurgical chemistry, chemical analysis, synthetic-organic chemistry, natural products chemistry, bioprocessing and nano-materials.

### **Course Structure - 72 credit points**

Note that the information below constitutes the minimum requirements for a BSc (Chemistry). Examples of programs for students interested in pursuing chemistry with an environmental, metallurgical, biological etc. flavour can be found at <http://www.cms.murdoch.edu.au/areas/chemistry>

#### **Course Prerequisites**

##### **Chemistry Background**

Students may need to complete prerequisite units depending on their background in chemistry and their final scaled score in Chemistry 3A/3B within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### **Mathematics Background**

Students may need to complete prerequisite units depending on their background in mathematics. Students who have a C grade or higher achievement in Mathematics: Specialist 3C/3D should complete MAS161 Calculus and Matrix Algebra and require no additional bridging units.

Students with a C grade or higher achievement in Mathematics 3C/3D should complete MAS182 Applied Mathematics and require no additional bridging units. If students do not have either of the above, they should complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### **Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 12 credit points**

Choices between alternative units here will depend on intended selections in Part II.

PEC143 Chemical Laboratory Techniques -- 3 pts  
Murdoch: S2-internal

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students enrolled in a double major with a course having BIO152 Cell Biology -- 3 pts [Murdoch: S2-internal] as a required unit, may use it to replace PEC152 Principles of Physics -- 3 pts.

Students seeking RACI accreditation must complete at least two Part I subjects in Physics or Mathematics, or a combination of the two at

an appropriate level. For example, successful completion of PEC152 Principles of Physics -- 3 pts and MAS182 Applied Mathematics -- 3 pts would be sufficient.

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biotechnology (BSc); Environmental Science (BEnvSc, BSc); Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Mineral Science (BSc); Molecular Biology (BSc); Physics and Nanotechnology (BSc).

Students should also consider using these points to meet the requirements of RACI accreditation.

## Part II - 48 credit points

### Core Units - 28 credit points

PEC247 Chemical Processes -- 4 pts  
Murdoch: S1-internal, S1-external

PEC238 Organic Structures and Reactivity -- 4 pts  
Murdoch: S1-internal, S1-external

PEC240 Chemical Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

PEC201 Thermodynamics -- 4 pts  
Murdoch: S2-internal, S2-external

PEC340 Instrumental Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

PEC312 Materials Chemistry -- 4 pts  
Murdoch: S1-internal, S1-external

PEC349 Molecular Design -- 4 pts  
Murdoch: S2-internal, S2-external

Exemption from one of the third-year Chemistry units may be granted by the Chemistry Academic Chair to students who complete a double major in another cognate discipline.

Students enrolled in a double major with Mineral Science can omit PEC349 Molecular Design -- 4 pts from required units.

### General Electives - 20 credit points

Recommended for the final year of study:

PEC306 Advanced Projects in Chemistry -- 4 pts  
Murdoch: H-internal, S1-internal, S2-internal, Y-internal

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biotechnology (BSc); Environmental Science (BEnvSc, BSc); Forensic Biology and Toxicology (BForensics); Mathematics and Statistics (BSc); Mineral Science (BSc); Molecular Biology (BSc); Physics and Nanotechnology (BSc).

Students should also consider using these points to meet the requirements of RACI accreditation. Details on requirements for RACI accreditation can be obtained from the Chemistry Academic Chair.

## HONOURS IN CHEMISTRY (BSC(HONS))

### School of Chemical and Mathematical Sciences

Bachelor of Science with Honours (BSc(Hons)) in Chemistry

Course Codes: H1033

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The Honours year is used to extend a student's grasp of the principles and practice of chemistry by undertaking a rigorous, research-based project. Mentoring by a member of staff enables Honours students to develop the ability for creative, independent research. Students are expected to be involved in the entire research process from concept through to writing and presenting the data obtained, along the way developing skills in advanced chemical technique, project management, high-level problem solving, and communication of research findings to peers.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

#### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Academic Chair to discuss supervision of their potential research project before submitting an application.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 8 credit points

PEC476 Literature Review -- 4 pts  
Murdoch: S1-internal, S2-internal

One unit at 200- to 300- level, chosen in consultation with student's supervisor and subject to the approval of the Honours Subcommittee -- 4 pts

#### Thesis - 16 credit points

PEC4009 Honours Thesis in Chemistry -- 16 pts  
Murdoch: H-internal, Y-internal

## CHINESE BUSINESS

### CHINESE BUSINESS (BCOM)

#### Murdoch Business School

Bachelor of Commerce (BCom) in Chinese Business

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This Commerce major in Chinese Business trains students to successfully engage in commerce with China. It focuses on contemporary China, from the essentials of business language to China's developing market economy, politics, society and business culture. The course also addresses global Chinese business relations and the growing commercial interaction between China and Australia. Students wishing to gain an intensive, six-month study and work experience in China are able to enrol in a special

Semester in China unit.

**Employment Prospects:**

Graduates will be able to find employment in the rapidly expanding area of commercial relations between Australia and China. Business companies, business associations, commercial and government institutions, and other bodies wishing to deal with China will be interested in graduates with a major in Chinese Business. In addition, there is a growing market for entrepreneurship and innovation both in China and in the field of trade relations between Australia and China in which graduates with initiative will be able to find suitable market niches and opportunities for employment.

**Admission Requirements (Onshore):**

As per normal Undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

On-campus attendance for language units (except Semester in China).

**Recommended Double Majors:**

Accounting (BCom); Banking (BCom); Economics (BEcon)

**Recommended Minors:**

Anthropology

**Excluded Double Majors:**

International Business (BCom)

**Excluded Minors:**

Chinese Business

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

BUS102 Introductory Chinese -- 3 pts  
Murdoch: S2-internal, S2-external

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

**Specified Electives - 6 credit points**

Select from the following:

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Banking (BCom); Economics (BEcon).

**Part II - 48 credit points**

**Core Units - 24 to 36 credit points**

BUS241 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

BUS233 Conversational Chinese -- 4 pts  
Murdoch: S1-internal

BUS234 Chinese Economy -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal

BUS346 Writing and Translating Chinese -- 4 pts  
Murdoch: S2-internal

BUS243 Chinese Business -- 4 pts  
Murdoch: S1-internal, S1-external

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

Students may apply for Semester in China in consultation with the Academic Chair:

BUS347 Semester in China -- 12 pts  
Murdoch: S1-internal, S2-internal

**General Electives - 12 to 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Banking (BCom); Economics (BEcon).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## HONOURS IN CHINESE BUSINESS (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Chinese Business

Course Codes: H1200

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 8 credit points

BUS425 Advanced Economic Analysis: Honours -- 4 pts  
Murdoch: S2-internal

BUS448 Honours in Chinese Business - Seminar -- 4 pts  
Murdoch: S1-internal, S2-internal

##### Elective Units - 4 credit points

As approved by Academic Chair.

#### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## CHIROPRACTIC

### CHIROPRACTIC (BCHIRO, BSC)

#### School of Chiropractic and Sports Science

Bachelor of Science (BSc) in Chiropractic  
+ Bachelor of Chiropractic (BChiro)

Course Codes: B1274

Restriction: Enrolment in this course is subject to restriction.

Duration: 5 years full-time

#### Availability:

- Murdoch campus (internal)

The Chiropractic major aims to produce graduates who will practise as health care professionals with the skills to diagnose, treat and prevent dysfunction of the spine and effects of this dysfunction on the nervous system, musculoskeletal system and general health. The objectives of the major encompass abilities to recognise signs and symptoms of such diseases with their presenting pathology, patho-mechanical states, related pain syndromes; differentially diagnose the problem and select appropriate therapeutic regimes

or refer patients to other health professionals. The chiropractic graduate must possess a comprehensive understanding and command of the skills and knowledge that constitute the basis of the chiropractic profession, and be able to perform at the clinical level expected of a primary contact health care practitioner specialising in mechanical dysfunctional states of the nervous and musculoskeletal systems.

The Bachelor of Science (Chiropractic) degree is conferred following successful completion of the first three years of study. The Bachelor of Chiropractic degree is awarded following the successful completion of the final two years of study. Both degrees are essential for registration and clinical practice.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements with Physics 3A/3B, Chemistry 3A/3B, Mathematics and Human Biological Science 3A/3B as highly recommended subjects.

English competence.

#### Admission Requirements (Offshore):

Successful completion of at least one year full time at a recognised university or tertiary institute (in either Japan or Australia), or achievement of the average percentage score determined by the School of Chiropractic and Sports Science in the Japanese version of the Murdoch University Preparation Course or in another recognised University Foundation Program.

#### Special Requirements:

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

#### Professional Recognition:

This course has been accredited by the Australasian Council on Chiropractic Education. Graduates are eligible for registration with the Western Australian registration board for Chiropractic and are also eligible for reciprocal registration in all States and Territories of Australia. As is the practice in the US, chiropractic graduates from accredited educational institutions are eligible to sit the US Board examination prior to practise in that country. Similarly, graduates may be eligible to practise in the UK/Europe after completion of the mandatory one-year internships required of graduates in those countries.

### Course Structure - 126 credit points

#### Course Prerequisites

##### Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 18 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

CHI109 Chiropractic Skills and Principles I -- 3 pts  
Murdoch: S1-internal

CHI108 Functional Human Anatomy -- 3 pts  
Murdoch: S2-internal

CHI106 Introduction and Application of Epidemiology -- 3 pts  
Murdoch: S2-internal

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor.

**Part II - 102 credit points****Core Units - 102 credit points****Year 2 Level**

CHI280 Human Anatomy I -- 4 pts  
Murdoch: S1-internal

CHI281 Chiropractic Biochemistry -- 4 pts  
Murdoch: S1-internal

BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internal

CHI282 Human Anatomy II -- 4 pts  
Murdoch: S2-internal

CHI283 Physical Examination -- 4 pts  
Murdoch: S2-internal

CHI209 Biomechanics and Diagnostic Palpation Skills -- 4 pts  
Murdoch: S2-internal

CHI213 Nutrition -- 2 pts  
Murdoch: S1-internal

**Year 3 Level**

CHI302 Diagnosis and Chiropractic Skills -- 4 pts  
Murdoch: S1-internal

CHI301 Processes in Human Disease -- 4 pts  
Murdoch: S1-internal

CHI303 Primary Practice I: Clinical Science and Diagnosis -- 4 pts  
Murdoch: S1-internal

CHI304 Clinical Orthopaedics and Neurology -- 4 pts  
Murdoch: S2-internal

CHI305 Immunology, Genetics and Microbiology -- 4 pts  
Murdoch: S2-internal

CHI309 Chiropractic Skills and Principles II -- 4 pts  
Murdoch: S2-internal

CHI385 Evidence-based Practice -- 2 pts  
Murdoch: S2-internal

**Year 4 Level**

International students enrolled in the Bachelor of Chiropractic prior to 2009 should enrol in CHI4841 Pre-clinical Practicum -- 0 pts.

CHI484 Pre-clinical Practicum -- 6 pts  
Murdoch: Y-internal

CHI421 Radiography: Principles and Positioning -- 4 pts  
Murdoch: T3-internal

CHI423 Physiological Therapeutics -- 2 pts  
Murdoch: T3-internal

CHI488 Mental Health Issues In Chiropractic Care -- 2 pts  
Murdoch: T3-internal

CHI442 Primary Practice II: Physical Rehabilitation I -- 2 pts  
Murdoch: T1-internal

CHI443 Primary Practice III: Differential Diagnosis I (Musculoskeletal) -- 2 pts  
Murdoch: T2-internal

CHI444 Primary Practice IV: Differential Diagnosis II -- 2 pts  
Murdoch: T1-internal (quota of 70 places)

CHI445 Primary Practice V: Physical Rehabilitation II -- 2 pts  
Murdoch: T2-internal

CHI446 Primary Practice VI: Pharmacology -- 2 pts  
Murdoch: T2-internal

CHI420 Clinical Radiology -- 2 pts  
Murdoch: T2-internal (quota of 70 places)

CHI409 Chiropractic Skills and Principles III -- 2 pts  
Murdoch: T1-internal

**Year 5 Level**

CHI519 Professional Practice Management -- 2 pts  
Murdoch: T1-internal

CHI509 Public Health -- 2 pts  
Murdoch: T2-internal

CHI586 Decision Making in Clinical Imaging -- 2 pts  
Murdoch: T1-internal

CHI581 Ethics and Jurisprudence -- 2 pts  
Murdoch: T2-internal

CHI589 Special Topics Review -- 2 pts  
Murdoch: T3-internal

CHI584 Clinical Practicum -- 12 pts  
Murdoch: Y1-internal

**Additional Academic Progress Requirements**

University rules and procedures apply and the following are additional:

- \* Students are required to complete their studies on a full-time basis.
- \* Students who fail more than two required units per level (100, 200, 300, 400, 500) may be excluded from the course.
- \* Students who fail a required unit a second time will be excluded from the course.

**HONOURS IN CHIROPRACTIC (BCHIRO(HONS))****School of Chiropractic and Sports Science**

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High

Distinction.

Please check the online Handbook at a later date.

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## HONOURS IN CHIROPRACTIC (BSC(HONS))

### **School of Chiropractic and Sports Science**

*Bachelor of Science with Honours (BSc(Hons)) in Chiropractic*

Course Codes: H1187

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Students will be able to take an intermitting year at any time after the third year of the major provided that undergraduate qualifications and performance are suitable.

The Honours course will comprise a research program carried out over one year with appropriate sessions, guided study and thesis in any area the student chooses relevant to the degree.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Thesis - 24 credit points**

Full-time students will be enrolled in:

CHI4509-12 Honours Thesis in Chiropractic -- 12 pts  
NA 2011

Plus, a further enrolment in:

CHI4509-12 Honours Thesis in Chiropractic -- 12 pts  
NA 2011

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## COMMERCE

#### **See also:**

Accounting  
Banking  
Business Law  
Chinese Business  
Entrepreneurship and Innovation  
Finance  
Hospitality and Tourism Management  
Human Resource Management  
International Business  
Management  
Marketing and Marketing Management

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## COMMERCE (BCOM)

### **Murdoch Business School**

Course Codes: B1003 (see separate entry); B1003A (see separate entry)

### **Bachelors of Commerce**

See individual entries for bachelor's degree descriptions for:

Accounting  
Banking  
Business Law  
Chinese Business  
Entrepreneurship and Innovation  
Finance  
Hospitality and Tourism Management  
Human Resource Management  
International Business  
Management  
Marketing

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## COMMUNICATION AND MEDIA STUDIES

### **COMMUNICATION AND MEDIA STUDIES (BCOMMUN)**

#### **School of Media Communication and Culture**

*Bachelor of Communication (BCommun) in Communication and Media Studies*

Course Codes: B1284

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent (Part II available only)

#### **Availability:**

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (all but one unit)

This major provides students with skills and expertise for work in a contemporary communication and media industry characterised by rapid change, digitalisation and technological innovation. Students are equipped with the knowledge base and skills for analysing and producing both traditional and new media texts, as well as understanding communication and cultural processes in the emerging creative industries. As the units in this major cover a wide range of critical communication issues and media concepts, students completing this course are well placed to embark on a research career in the industry or enrol for further studies at Honours and/or postgraduate level.

#### **Employment Prospects:**

Graduates can expect to find employment in a wide range of fields, from the creative industries (new media, public relations, advertising, journalism, radio, television, music and print) to management, administration, government, public policy, media research, academia and teaching.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

English and Creative Writing (BA); Journalism (BCommun); Public Relations (BCommun); Screen Production (BMedia)

**Recommended Minors:**

Creative Arts; Journalism; Public Relations

**Excluded Minors:**

Mass Communication; Media Studies

**Main Research Areas:**

Communication Studies, Media Studies, Creative Industries, Communication Policy, Media Audiences, Global Media.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

MCC108 Introduction to Communication and Media -- 3 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

MCC116 Introduction to the Screen -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

**General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Journalism (BCommun); Public Relations (BCommun); Screen Production (BMedia).

**Part II - 48 credit points**

**Core Units - 24 credit points**

MCC236 Media Audiences and the Public -- 4 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

MCC248 Screen Texts -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

OR

MCC2481 Screen Texts -- 4 pts

DUBAI-ISC: N1-internal

MCC333 Documentary -- 4 pts

Murdoch: S1-internal

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

SGP1: T2B-internal

MCC315 New Media Technologies -- 4 pts

Murdoch: S2-internal, S2-external

KDUPJ: S2K-internal

SGP1: T2B-internal

MCC337 Cultural and Media Policy -- 4 pts

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

MCC314 Media and Globalisation -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

Students with a good academic record can apply to the Academic Chair to take MCC325 Professional Placement in Media Communication and Culture -- 4 pts [Murdoch: S1-internal, S2-internal, SUM-internal, W-internal] in place of one of the above Core Units.

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Journalism (BCommun); Public Relations (BCommun); Screen Production (BMedia).

Recommended:

MCC246 Professional Communication -- 4 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T2A-internal

KDUPJ: S1K-internal

SGP1: T2B-internal

IND271 Media, Culture and Politics in Indonesia -- 4 pts

Murdoch: S2-internal, S2-external

**HONOURS IN COMMUNICATION AND MEDIA STUDIES (BCOMMUN(HONS))**

**School of Media Communication and Culture**

*Bachelor of Communication with Honours (BCommun(Hons)) in Communication and Media Studies*

Course Codes: H1208

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



<http://www.murdoch.edu.au/goto/OnlineApplications>

## Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Units - 12 credit points

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts

Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts

Murdoch: S1-internal, S2-internal

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## COMMUNITY DEVELOPMENT

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### COMMUNITY DEVELOPMENT (BA)

#### School of Social Sciences and Humanities

Bachelor of Arts (BA) in Community Development

Course Codes: B1180

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

People involved with government, neighbourhood groups, social action, overseas aid, schools, local councils, sustainability, Indigenous groups, social services, the arts, business and tourism are all talking about community development as a new way of doing things. This often involves improving and enhancing the conditions and circumstances of local people and helping community groups identify and obtain resources to deal with community problems and aspirations. This major provides you with a sociological perspective relevant to community development.

#### Employment Prospects:

Careers in local government, community services, remote area education, indigenous communities, community arts and cultural development, overseas aid work, sustainable development, social work-related areas, economic, social and urban planning.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Required short work placement or practice project component.

#### Recommended Double Majors:

Australian Indigenous Studies (BA); Sociology (BA); Sustainable Development (BA, BSc)

#### Recommended Minors:

Asian Studies; Creative Arts; Public Policy and Management; Sociology; Sustainable Tourism

#### Excluded Minors:

Community Development

#### Main Research Areas:

Social change and social equity.

#### Credits and Exemptions:

Students from the TAFE Community Work diploma and from other relevant diplomas may receive credits and exemptions.

#### Languages and Writing Skills:

Community Development students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 12 credit points

COD125 Introduction to Community Development -- 3 pts

Murdoch: S1-internal, S1-external

SOC134 Introduction to Sociology -- 3 pts

Murdoch: S1-internal, S1-external

SOC105 Sociology and Everyday Life -- 3 pts

Murdoch: S2-internal, S2-external

SSH100 Ideas in Action -- 3 pts

Murdoch: S2-internal, S2-external

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Australian Indigenous Studies (BA); Sociology (BA); Sustainable Development (BA, BSc).

### Part II - 48 credit points

#### Core Units - 24 credit points

COD235 Community Work across Sites, Settings and Peoples -- 4 pts

Murdoch: S2-internal, S2-external

COD334 Creative Ways to Work with Community -- 4 pts

Murdoch: S1-internal, S1-external

COD324 Projects in Community Development -- 4 pts

Murdoch: S2-internal, S2-external

COD355 Community and Social Policy -- 4 pts

Murdoch: S1-internal, S1-external

SOC222 Social Research Methods -- 4 pts

Murdoch: S1-internal, S1-external

Plus one unit from:

SOC256 Sociology of Work -- 4 pts

NA 2011

POL230 Public Policy Analysis -- 4 pts

Murdoch: S2-internal, S2-external

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

SOC230 Australian Youth Culture -- 4 pts  
Murdoch: S2-internal, S2-external

### **Specified Electives - 12 credit points**

Select from the following units, or from the Core Units not already taken.

POL297 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

COD236 Developing Community Leadership -- 4 pts  
Murdoch: SUM2-internal (quota of 24 places)

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

SOC262 Sociology of Law -- 4 pts  
Murdoch: S1-internal, S1-external

ALS281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

SOC272 Special Topics in Sociology -- 4 pts  
Topic not currently offered

TOU210 Cultural Tourism Interpretation -- 4 pts  
Murdoch: S2-internal, S2-external

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

### **General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Australian Indigenous Studies (BA); Sociology (BA); Sustainable Development (BA, BSc).

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## **HONOURS IN COMMUNITY DEVELOPMENT (BA(HONS))**

### **School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in Community Development

Course Codes: H1182

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

## **Course Structure - 24 credit points**

### **Coursework - 12 credit points**

#### **Core Unit - 4 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

#### **Elective Units - 8 credit points**

Select from the following:

COD4061 Honours Topic in Community Development -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

COD4062 Honours Topic in Community Development -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

### **Thesis - 12 credit points**

COD4069 Honours Thesis in Community Development -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## **COMPUTER SCIENCE**

#### **See also:**

Information Systems

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## **COMPUTER SCIENCE (BSC)**

### **School of Information Technology**

Bachelor of Science (BSc) in Computer Science

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)

The Computer Science major is designed to provide students with a thorough understanding of the theory, methods and systems used by the computing industry. Required units cover the major areas of software development, computer technology, systems applications and software engineering.

#### **Employment Prospects:**

Excellent opportunities in business, industry and government as programmers, systems analysts, database administrators, computer systems and network managers, user support officers and software engineers.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

There may be a reduction in choice of units if completing this

course in the external mode. Individual units may require access to specific nominated software.

**Recommended Double Majors:**

Games Technology (BSc); Internet Software Development (BSc); Internetworking and Security (BSc)

**Recommended Minors:**

Advanced Networking; Computer Technology; Fundamentals of Networking; Internet and Multimedia Computing; Internet Computing; Network Security; Software Development

**Excluded Minors:**

Computer Science

**Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT106 Fundamentals of Computer Systems -- 3 pts  
Murdoch: S2-internal, S2-external

MAS167 Computational Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Games Technology (BSc); Internet Software Development (BSc); Internetworking and Security (BSc).

**Part II - 48 credit points**

**Core Units - 24 credit points**

ICT209 Data Structures and Abstractions -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT306 Software Architectures -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T3A-internal

ICT310 Operating Systems and Systems Programming -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T1A-internal

ICT333 Information Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Games Technology (BSc); Internet Software Development (BSc); Internetworking and Security (BSc).

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**HONOURS IN COMPUTER SCIENCE  
(BSC(HONS))**

**School of Information Technology**

Bachelor of Science with Honours (BSc(Hons)) in Computer Science

Course Codes: H1211

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

**Core Units - 4 credit points**

ICT477 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

**Elective Units - 8 credit points**

Select from the following:

ICT4021 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

ICT4022 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500/600-level) -- 4 pts

Students may also be able to take ICT4051 Advanced Honours Topic in Information Systems -- 4 pts or ICT4052 Advanced Honours Topic in Information Systems -- 4 pts with the approval of the Honours Subcommittee Chair.

**Thesis - 12 credit points**

ICT4029 Honours Thesis in Computer Science -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## CONSERVATION AND WILDLIFE BIOLOGY

### See also:

Biological Sciences

## CONSERVATION AND WILDLIFE BIOLOGY (BSC)

### School of Biological Sciences and Biotechnology

Bachelor of Science (BSc) in Conservation and Wildlife Biology

Course Codes: B1138

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Conservation Biology is concerned with the study and protection of biological diversity. It requires a detailed understanding of biology as well as of the social, political and economic context in which conservation policy is developed and implemented. It is therefore an excellent interdisciplinary major embracing aspects of science and the social sciences. The core of the degree is a solid grounding in a range of biological disciplines and their application to the conservation of biota. This is supplemented by required units covering law, policy and management.

### Employment Prospects:

Commonwealth, state and local agencies dealing with nature conservation; the interdisciplinary breadth of the course is also well suited to teaching careers.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

Students undertaking units in Conservation Biology will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

### Recommended Double Majors:

Biological Sciences (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc)

### Recommended Minors:

Animal Biology; Applied Statistics; Ecosystem Management; Fisheries Science; Marine Biology; Mathematical Modelling; Molecular Biology; Plant Biology

### Excluded Minors:

Conservation Biology

### Professional Recognition:

Eligible to seek membership of the Ecological Society of Australia and other relevant professional bodies.

### Main Research Areas:

Conservation of endemic Western Australian flora and fauna, impacts of plant disease on the conservation of local communities, sustainable fisheries.

## Course Structure - 72 credit points

### Course Prerequisites

#### Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or in Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 15 credit points

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO157 Introduction to Australian Biodiversity -- 3 pts  
Murdoch: S2-internal

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc).

### Part II - 48 credit points

#### Core Units - 28 credit points

BIO261 Animal Diversity -- 4 pts  
Murdoch: S1-internal

BIO265 Plant Diversity -- 4 pts  
Murdoch: S1-internal

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external

BIO372 Genetics and Evolution -- 4 pts  
Murdoch: S2-internal

BIO368 Conservation Biology -- 4 pts  
Murdoch: S1-internal

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

BIO317 Wildlife Biology -- 4 pts  
Murdoch: S2-internal

### **General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Environmental Science (BEnvSc, BSc); Marine Science (BSc); Molecular Biology (BSc).

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## **HONOURS IN CONSERVATION AND WILDLIFE BIOLOGY (BSC(HONS))**

### **School of Biological Sciences and Biotechnology**

Bachelor of Science with Honours (BSc(Hons)) in Conservation and Wildlife Biology

Course Codes: H1150

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in enrolling in Honours are advised to contact the Honours Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Thesis - 24 credit points**

Full-time students will be enrolled in:

BIO4079-12 Honours Thesis in Conservation and Wildlife Biology -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Plus a further enrolment in:

BIO4079-12 Honours Thesis in Conservation and Wildlife Biology -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## **CRIMINOLOGY**

### **See also:**

Legal Studies

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## **CRIMINOLOGY (BCRIM)**

### **School of Law**

Bachelor of Criminology (BCrim)

Course Codes: B1290

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

Criminology is the study of crime and responses to crime. The Criminology major provides students with an understanding of criminal law and the state's response to offending, that is the sentencing and punishment of offenders. The course also critiques the assumptions and operation of the criminal justice system covering critical issues such as offender profiling, interrogation, false confessions, Aboriginal over-representation and juvenile justice. In addition, the factors which are related to the development and maintenance of criminal conduct are examined in depth. Students will gain the ability to understand and to apply both criminological and legal theory.

#### **Employment Prospects:**

Suitable for employment opportunities within the court and prison systems, police services, youth work, community groups and government departments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Recommended Double Majors:**

Forensic Biology and Toxicology (BForensics); Legal Studies (BLS); Psychology (BPsych, BA); Security, Terrorism and Counterterrorism Studies (BA)

#### **Recommended Minors:**

Family and Social Welfare Law; Social Psychology; Sociology

#### **Excluded Double Majors:**

Juris Doctor (JD); Law (Four-Year Degree) (LLB); Law (LLB) + Other Bachelor Degree

#### **Excluded Minors:**

Criminology

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 12 credit points**

LEG150 Australian Legal System -- 3 pts  
Murdoch: S1-internal

LEG100 Law, Justice and Social Policy -- 3 pts  
Murdoch: S2-internal

LEG120 Research and Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

LEG153 Introduction to Administrative Law -- 3 pts  
Murdoch: S2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Forensic Biology and Toxicology (BForensics); Legal Studies (BLS); Psychology (BPsych, BA); Security, Terrorism and Counterterrorism Studies (BA).

**Part II - 48 credit points****Core Units - 24 credit points**

Select from the following:

LEG219 Criminal Law in Western Australia -- 4 pts  
Murdoch: S1-internal

CRM220 Sentencing and Penology -- 4 pts  
Murdoch: S1-internal

CRM209 Psychology and Law -- 4 pts  
Murdoch: S2-internal

CRM205 Criminal Justice -- 4 pts  
Murdoch: S1-internal

CRM206 Criminology -- 4 pts  
Murdoch: S2-internal

CRM210 Criminal Behaviour -- 4 pts  
Murdoch: S1-internal

CRM231 Restorative Justice -- 4 pts  
Murdoch: S2-internal

CRM300 Special Topics in Criminology -- 4 pts  
Topic not currently offered

CRM3002 Special Topics in Criminology -- 4 pts  
Topic not currently offered

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Forensic Biology and Toxicology (BForensics); Legal Studies (BLS); Psychology (BPsych, BA); Security, Terrorism and Counterterrorism Studies (BA).

**HONOURS IN CRIMINOLOGY  
(BCRIM(HONS))****School of Law**

Bachelor of Criminology with Honours (BCrim(Hons))

Course Codes: H1216

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Law School Office before application to discuss supervision of their

potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 4 credit points**

CRM440 Criminology Honours Seminar -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Elective Units - 8 credit points**

Select from the following:

CRM4301 Honours Topic in Criminology -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

CRM4302 Honours Topic in Criminology -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

CRM4303 Honours Topic in Criminology -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

CRM4309 Honours Thesis in Criminology -- 12 pts  
Murdoch: S1-internal, S2-internal

**CYBER FORENSICS, INFORMATION  
SECURITY AND MANAGEMENT****CYBER FORENSICS, INFORMATION  
SECURITY AND MANAGEMENT (BSC)****School of Information Technology**

Bachelor of Science (BSc) in Cyber Forensics, Information Security and Management

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)

Increasingly, government and corporate organisations need to identify information security risks and interdependencies between business functions. Escalating security threats to organisations' information assets and increasing needs for organisations to comply with governance of information management have resulted in organisations requiring well-trained ICT professionals capable of addressing three key issues: managing information; protecting information; and forensic investigation of information security incidents. Graduates of this major will be well suited to meet these important industry demands.

**Employment Prospects:**

Graduates may expect to take up appointment in a broad range of employment areas, including: Computer Information Consultant; Computer Intelligence Officer; Computer Support Officer; Cyber Forensic Investigator; Database Developer/Administrator; Forensic Auditor; Help Desk Officer; Internet Security Officer; IT Consultant; Systems Administrator; Systems/Business Analyst.

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Computer Science (BSc); Internetworking and Security (BSc)

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 3 credit points**

Select from the following:

ICT101 Introduction to 3D Graphics and Animation -- 3 pts  
Murdoch: S2-internal, S2-external

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal

Rockingham: S1-internal

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
W2-internal

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internetworking and Security (BSc).

**Part II - 48 credit points****Core Units - 28 credit points**

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

ICT256 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT265 Knowledge and Information Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT248 Cyber Forensics -- 4 pts  
Murdoch: S1-internal, S1-external

ICT349 Forensic Data Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

ICT357 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

Students taking a double major may substitute ICT339 Computer Security -- 4 pts [Murdoch: S2-internal, S2-external] for ICT357 Information Security Management -- 4 pts.

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internetworking and Security (BSc).

**ECONOMICS****See also:**

Public Policy and Management

**ECONOMICS (BECON)****Murdoch Business School**

Bachelor of Economics (BEcon)

Course Codes: B1007

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This major emphasises the applications of economic analysis to real world situations. Students are given a grounding in fundamental economic analysis and are then able to choose from a wide range of economics elective units to suit their interests and their career intentions. A fourth year of study is available in the form of an honours year.

**Employment Prospects:**

The financial sector, Federal and State Public Service, major resource-based corporations, education and the health sector.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Accounting (BCom); Business Law (BCom); Finance (BCom); Management (BCom); Politics and International Studies (BA)

**Recommended Minors:**

Business Economics; Policy Economics

**Professional Recognition:**

Graduates are eligible for Associate Professional membership of the Economics Society of Australia.

**Main Research Areas:**

Electronic commerce, environmental policy, labour markets, maritime studies, social policy, urban and housing studies, Asian economies.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS162 Australian Business and the Economy -- 3 pts  
Murdoch: S2-internal, S2-external

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 3 credit points**

Select from the following:

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Business Law (BCom); Finance (BCom); Management (BCom); Politics and International Studies (BA).

**Part II - 48 credit points****Core Units - 16 credit points**

BUS260 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

BUS261 Microeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

BUS361 Microeconomics B -- 4 pts  
Murdoch: S2-internal, S2-external

BUS360 Macroeconomics B -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following (students intending to take Honours should include BUS294 Econometrics -- 4 pts in their selection):

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal

BUS290 International Financial Markets and Institutions -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal

BUS294 Econometrics -- 4 pts  
Murdoch: S2-internal, S2-external

BUS208 Quantitative Methods for Business and Economics -- 4 pts  
Murdoch: S1-internal, S1-external

BUS234 Chinese Economy -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal

BUS200 Special Topics in Economics: Indigenous Economic Development -- 4 pts  
Murdoch: S2-internal, S2-external

BUS2001 Special Topics in Economics -- 4 pts  
Topic not currently offered

BUS250 The Economics of Global Climate Change -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Business Law (BCom); Finance (BCom); Management (BCom); Politics and International Studies (BA).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts

Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.



## HONOURS IN ECONOMICS (BECON(HONS))

### Murdoch Business School

Bachelor of Economics with Honours (BEcon(Hons))

Course Codes: H1003

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 8 credit points

BUS425 Advanced Economic Analysis: Honours -- 4 pts  
Murdoch: S2-internal

BUS463 Australian Economic Policies and Problems - Honours -- 4 pts  
Murdoch: S1-internal

##### Elective Units - 4 credit points

Select from the following:

BUS4001 Advanced Honours Topic in Economics -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

Note: Students who have not completed the equivalent of BUS294 Econometrics -- 4 pts within their undergraduate course will be required to take this unit in lieu of their Honours Elective.

#### Thesis - 12 credit points

BUS4009 Honours Thesis in Economics -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## EDUCATION

#### See also:

Education + Australian Indigenous Studies  
Education + Sports Science

### EDUCATION (BED) [EARLY CHILDHOOD AND PRIMARY TEACHING] (FOUR YEARS)

#### School of Education

Bachelor of Education (BED) in Early Childhood and Primary Teaching

Course Codes: B1269

Restriction: Enrolment in this course is subject to restriction.

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)
- Some units only: Murdoch campus (internal) (all but one unit)
- Some units only: Rockingham campus (internal)

The Bachelor of Education (Early Childhood and Primary) will prepare graduates to teach in a primary classroom from kindergarten to Year 7. Students will study general primary curriculum as well as that specific to early childhood teaching and will be placed in both early childhood and general classrooms for their school experiences.

Students who want to graduate with a Bachelor of Education degree in Early Childhood and Primary Teaching will need to complete a four-year Bachelor of Education degree (BED).

Students who already have a non-education bachelor degree can complete the Bachelor of Education (Primary) Graduate in a minimum of two years full-time or part-time equivalent: see that course description for the specific requirements.

#### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available on the WA Department of Education web site or from the Murdoch University School Experience Office.

The second is the Working with Children Check from the Department of Community Development. The application forms are available from the Murdoch University School Experience Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

#### Recommended Minors:

Ethics; Media Studies; Science Communication

#### Excluded Double Majors:

Education (BED) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BED) [Primary, 1-10 Health and Physical Education]; Education (Graduate) (BED) [Primary Teaching] (Two Years)

#### Exemptions/Credit and School Experience:

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience

unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4300 Professional Internship: BEd Primary but those who are currently employed in relevant teaching positions may seek permission to complete Primary or Secondary practicum in their school. Students must contact the School Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

a) External students must undertake the first School Experience unit, EDN2100 Professional Experience: BEd (Primary) (does not include EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

b) For students enrolled in Primary and Early Childhood Teacher Education, on-campus attendance is required for a one-week intensive workshop during winter term (date to be announced) for EDN226 Teaching Health and Physical Education in Primary Schools.

#### **Alternative Entry Pathway (Rockingham campus):**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger TAFE (Rockingham) to Murdoch University Bachelor of Education (Early Childhood and Primary Teaching). This pathway will provide applicants with advanced standing once they enter the University.

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Mathematics Background**

Students may need to complete EDN110 Mathematics for Teaching -- 3 pts if they have not completed Stage 2 or above of Year 12 Mathematics.

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 15 credit points**

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN113 Living and Learning with Technology -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN114 Thinking Mathematically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN115 Thinking Scientifically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

#### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

#### **Part II - 72 credit points**

##### **Core Units - 72 credit points**

Part-time and external students should contact the School of Education when creating their study plan, particularly as it is necessary for concurrent enrolment in the School Experience and Early Childhood and Primary Curriculum units. A sample full-time study plan is available on the School of Education web site.

##### **Year 2**

Students should enrol concurrently in EDN2100 Professional Experience: BEd Primary -- 2 pts and EDN222 Learning, Teaching and Assessment 2 -- 3 pts.

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN223 Teaching English and Literacy in Primary Schools -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2100 Professional Experience: BEd Primary -- 2 pts  
Murdoch: SP10-external  
Rockingham: SP10-external

EDN225 Teaching The Arts in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN226 Teaching Health and Physical Education in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

##### **Year 3**

EDN331 Students and Schools in Context 1 -- 3 pts  
NA 2011

EDN332 Students and Schools in Context 2 -- 3 pts  
NA 2011

EDN333 Teaching Mathematics in Primary Schools -- 4 pts  
NA 2011

EDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-external

EDN3201 Principles and Practices in Early Childhood Education -- 6 pts

Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN322 Integrated Early Childhood Curriculum -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN300 Learning and Teaching in Educational Communities -- 4 pts is available for students who complete a teaching and learning experience in a placement other than that of a school. This could include coaching, tutoring, working with an NGO, and working overseas in a volunteer capacity. Approval for enrolment must be sought from the Academic Chair. The unit may be used as an elective or in place of a school experience.

#### Year 4

##### Semester 1

EDU4701 Professional and Action Learning Project -- 4 pts  
Murdoch: Y-external

EDN441 Teaching Society and the Environment in Primary Schools -- 4 pts  
NA 2011

EDN442 Teaching Science in Primary Schools -- 4 pts  
NA 2011

EDN421 Literacies and Numeracy in Early Years -- 4 pts  
NA 2011

EDN3001 Learning and Teaching in Educational Communities -- 2 pts is available for students who complete a teaching and learning experience in a placement other than that of a school. This could include coaching, tutoring, working with an NGO, and working overseas in a volunteer capacity. Approval for enrolment must be sought from the Academic Chair. The unit may be used as an elective or in place of a school experience.

##### Semester 2

Students must have completed 86 credit points and all core units (excluding the units below) prior to enrolling in the final semester of study.

EDN443 Planning for Effective Learning in Primary Schools -- 2 pts  
NA 2011

EDN4300 Professional Internship: BEd Primary -- 6 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

## EDUCATION (BED) [PRIMARY TEACHING] (FOUR YEARS)

### School of Education

Bachelor of Education (BEd) in Primary Teaching

Course Codes: B1081; B1252 (see separate entry)

Restriction: Enrolment in this course is subject to restriction.

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)
- Some units only: Rockingham campus (internal)

Primary Teacher Education graduates are qualified to teach from Years 1 to 7 in primary schools. Minors are available for primary teachers in Inclusive Education and Science Communication (quotas

apply to some minors in this course -- see the descriptions of the minors).

For students who want to graduate with a Bachelor of Education degree in primary teaching there are three study options available:

\* A four-year Bachelor of Education degree (BEd):  
This is the most common choice for students who wish to become primary school teachers. The course leaves room for units which enable students to broaden their general education or develop a speciality teaching or interest area

\* A two-year Bachelor of Education (Primary) Graduate degree is available for students who already have a non-Education Bachelor degree.

\* A student may enrol concurrently in a joint degree: a Bachelor of Education (Primary) and a BA in Australian Indigenous Studies (four years).

#### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available on the WA Department of Education web site or from the Murdoch University School Experience Office.

The second is the Working with Children Check from the Department of Community Development. The application forms are available from the Murdoch University School Experience Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

#### Recommended Minors:

Ethics; Inclusive Education; Media Studies; Science Communication

#### Excluded Double Majors:

Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BEd) [Primary, 1-10 Health and Physical Education]; Education (Graduate) (BEd) [Primary Teaching] (Two Years)

#### Exemptions/Credit and School Experience:

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School

Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4300 Professional Internship: BEd Primary, and EDN444 On Campus: Professional Issues for Teachers, but those who are currently employed in relevant teaching positions may seek permission to complete one Primary practicum in their school. Students must contact the School Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

a) External students must undertake the first School Experience unit, EDN2100 Professional Experience: BEd (Primary) (does not include EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

b) For students enrolled in Primary and Early Childhood Teacher Education, on-campus attendance is required for a one-week intensive workshop during winter term (date to be announced) for EDN226 Teaching Health and Physical Education in Primary Schools.

#### **Alternative Entry Pathway (Rockingham campus):**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger TAFE (Rockingham) to Murdoch University Bachelor of Education (Primary Teaching). This pathway will provide applicants with advanced standing once they enter the University.

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Mathematics Background**

Students may need to complete EDN110 Mathematics for Teaching -- 3 pts if they have not completed Stage 2 or above of Year 12 Mathematics.

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 15 credit points**

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN113 Living and Learning with Technology -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN114 Thinking Mathematically -- 3 pts  
Murdoch: S2-internal, S2-external

Rockingham: S2-internal

EDN115 Thinking Scientifically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

#### **General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

### **Part II - 72 credit points**

#### **Core Units - 56 credit points**

Part-time and external students should contact the School of Education when creating their study plan, particularly as it is necessary for concurrent enrolment in the School Experience and Primary Curriculum units. A sample full-time study plan is available on the School of Education web site. Students wishing to take a minor should refer to the Minor structures in the Handbook.

#### **Year 2**

Students should enrol concurrently in EDN2100 Professional Experience: BEd Primary -- 2 pts and EDN222 Learning, Teaching and Assessment 2 -- 3 pts.

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN223 Teaching English and Literacy in Primary Schools -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2100 Professional Experience: BEd Primary -- 2 pts  
Murdoch: SP10-external  
Rockingham: SP10-external

EDN225 Teaching The Arts in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN226 Teaching Health and Physical Education in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

#### **Year 3**

EDN331 Students and Schools in Context 1 -- 3 pts  
NA 2011

EDN332 Students and Schools in Context 2 -- 3 pts  
NA 2011

EDN333 Teaching Mathematics in Primary Schools -- 4 pts  
NA 2011

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

With Academic Chair approval:

EDN300 Learning and Teaching in Educational Communities --

4 pts  
Murdoch: AU4-external  
Rockingham: AU4-external

#### Year 4

##### Semester 1

EDN441 Teaching Society and the Environment in Primary Schools -- 4 pts  
NA 2011

EDN442 Teaching Science in Primary Schools -- 4 pts  
NA 2011

With Academic Chair approval:  
EDN3001 Learning and Teaching in Educational Communities -- 2 pts  
NA 2011

##### Semester 2

All point requirements of the course and core units are required to be successfully completed prior to enrolling in the final semester of study.

EDN443 Planning for Effective Learning in Primary Schools -- 2 pts  
NA 2011

EDN4300 Professional Internship: BEd Primary -- 6 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

#### Specified Electives - 8 credit points

Students who have completed four semesters (48 points) of the course may enrol in specified 400-level units in Education for which they have the prerequisites.

Select from the following:

EDN263 Aboriginal Perspectives Across the Curriculum -- 4 pts  
Murdoch: S1-internal

EDU445 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

MCC321 Children and the Media -- 4 pts  
Murdoch: S2-internal

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

EDU461 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external

EDU424 Critical Pedagogy: Gender, Race and Social Class in Education -- 4 pts  
Murdoch: SUM-internal

EDU446 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

EDU427 Development and Education -- 4 pts  
Murdoch: S1-external

EDU458 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

EDU440 Facilitating Lifelong Learning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDU409 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts  
Murdoch: S2-external

EDN322 Integrated Early Childhood Curriculum -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDU404 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDU417 Learning and Teaching with ICT -- 4 pts  
Murdoch: S2-external

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDU471 Mentoring -- 4 pts  
Murdoch: S2-external

EDU475 Opportunities with e-learning -- 4 pts  
Murdoch: W2-internal

EDN320 Principles and Practices in Early Childhood Education -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

EDU464 Reading through Multiliteracies -- 4 pts  
Murdoch: S2-external

EDN398 Science Communication -- 4 pts  
Murdoch: S1-internal, S1-external

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

THE246/THE2461 Teaching Religion in Schools -- 4 pts or 2 pts  
Murdoch: S2-internal, S2-external

EDU444 Tertiary and Adult Education Policy -- 6 pts  
Murdoch: S2-internal, S2-external

EDU447 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

EDU403 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU420 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

EDU437 Program Evaluation -- 4 pts  
Murdoch: S1-external

EDU418 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

#### General Electives - 8 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

## **EDUCATION (BED) [PRIMARY, 1-10 HEALTH AND PHYSICAL EDUCATION]**

### **School of Education**

Bachelor of Education (BE<sub>Ed</sub>) in Primary, 1-10 Health and Physical Education

Course Codes: B1285

Duration: 4 years full-time or part-time equivalent

### **Availability:**

- Some units only: Murdoch campus (external)
- Some units only: Rockingham campus (internal)

This course will prepare graduates to teach in a classroom from Years 1 to 7. In addition the graduates will specialise in Health and Physical Education (HPE) thus enabling graduates to be skilled as Curriculum Leaders in this learning area and to lead extracurricular activities. Students will study general primary curriculum as well as that specific to the teaching of HPE for Years 1 to 10.

### **Employment Prospects:**

Primary schools; K-12 schools; district high schools; secondary schools.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### **Special Requirements:**

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available on the WA Department of Education web site or from the Murdoch University School Experience Office.

The second is the Working with Children Check from the Department of Community Development. The application forms are available from the Murdoch University School Experience Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

### **Excluded Double Majors:**

Education (BE<sub>Ed</sub>) [Early Childhood and Primary Teaching] (Four Years); Education (BE<sub>Ed</sub>) [Primary Teaching] (Four Years); Education (BE<sub>Ed</sub>) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BE<sub>Ed</sub>) [Secondary Teaching] (Four Years); Education (BE<sub>Ed</sub>) [Secondary Teaching] + Sports Science (BSportsSc); Education (Graduate) (BE<sub>Ed</sub>) [Primary Teaching] (Two Years); Education (Graduate) (BE<sub>Ed</sub>) [Secondary Teaching] (Two Years)

### **Professional Recognition:**

On completion of the Bachelor of Education, students have a widely accepted qualification from a recognised university and are eligible for graduate studies or employment in government and independent schools.

### **Exemptions/Credit and School Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience

unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4300 Professional Internship:BE<sub>Ed</sub> Primary, and EDN444 Professional Issues for Teachers, but those who are currently employed in relevant teaching positions may seek permission to complete one Primary practicum in their school. Students must contact the School Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

External students must undertake the first School Experience unit, EDN2100 Professional Experience: BE<sub>Ed</sub> Primary (does not include EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

### **Alternative Entry Pathway (Rockingham campus):**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger TAFE (Rockingham) to Murdoch University Bachelor of Education (Primary Teaching). This pathway will provide applicants with advanced standing once they enter the University.

## **Course Structure - 96 credit points**

### **Course Prerequisites**

#### **Mathematics Background**

Students may need to complete EDN110 Mathematics for Teaching -- 3 pts if they have not completed Stage 2 or above of Year 12 Mathematics.

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 21 credit points**

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN113 Living and Learning with Technology -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN116 Physical Education -- 3 pts  
Murdoch: S2-internal  
Rockingham: S1-internal

EDN114 Thinking Mathematically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN115 Thinking Scientifically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

PSY172 Introduction to Psychological Health and Wellbeing -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

## Part II - 72 credit points

### Core Units - 72 credit points

Part-time and external students should contact their Academic Chair when creating their study plan, particularly as it is necessary for concurrent enrolment in the School Experience and Curriculum Units. A sample full-time study plan is available on the School of Education web site.

#### Year 2

Students should enrol concurrently in EDN2100 Professional Experience: BEd Primary -- 2 pts AND EDN222 Learning, Teaching and Assessment 2 -- 3 pts.

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN223 Teaching English and Literacy in Primary Schools -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2100 Professional Experience: BEd Primary -- 2 pts  
Murdoch: SP10-external  
Rockingham: SP10-external

EDN225 Teaching The Arts in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN226 Teaching Health and Physical Education in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

#### Year 3

Students should enrol concurrently in EDN319 Sport Education -- 4 pts AND EDU3162 School Experience: Secondary BEd -- 2 pts.

EDN331 Students and Schools in Context 1 -- 3 pts  
NA 2011

EDN332 Students and Schools in Context 2 -- 3 pts  
NA 2011

EDN333 Teaching Mathematics in Primary Schools -- 4 pts  
NA 2011

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN319 Sport Education -- 4 pts  
Murdoch: S2-internal  
Rockingham: S1-internal

EDN2101 Professional Experience: BEd Secondary -- 2 pts  
Murdoch: SP9-external

EDU4701 Professional and Action Learning Project -- 4 pts  
Murdoch: Y-external

#### Year 4

##### Semester 1

Students should enrol concurrently in EDN419 Health and Physical Education and the Curriculum -- 4 pts AND EDU3161 School Experience: Secondary BEd -- 2 pts.

EDN441 Teaching Society and the Environment in Primary Schools -- 4 pts  
NA 2011

EDN442 Teaching Science in Primary Schools -- 4 pts  
NA 2011

EDN419 Health and Physical Education and the Curriculum -- 4 pts  
NA 2011

EDU3161 School Experience: Secondary BEd -- 2 pts  
Murdoch: AU9-external

##### Semester 2

All point requirements of the course and Core Units are required to be successfully completed prior to enrolling in the final semester of study.

EDN443 Planning for Effective Learning in Primary Schools -- 2 pts  
NA 2011

EDN4300 Professional Internship: BEd Primary -- 6 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

## EDUCATION (BED) [SECONDARY TEACHING] (FOUR YEARS)

### School of Education

*Bachelor of Education (BEd) in Secondary Teaching*

Course Codes: B1159; B1161; B1168; B1170; B1174; B1219; B1232; B1275; B1279 (see separate entry); B1291

*Restriction: Enrolment in this course is subject to restriction.*

*Duration: 4 years full-time or part-time equivalent*

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for school experiences, EDN112, and depending on teaching area selected)

Secondary Teacher Education graduates are qualified to teach one or more subjects at the secondary school level. For Secondary Teacher Education students the Bachelor degree studied concurrently with the Bachelor of Education should be relevant to one of the following learning areas in secondary schools:

English;  
Drama;  
Media, Society and Environment;

Science;  
Mathematics;  
Languages Other Than English (LOTE);  
English as a Second Language (ESL).  
Advice about Murdoch majors suitable for each of these learning areas may be obtained from the Academic Student Advisor (BEEd Secondary).

For students who want to graduate with a Bachelor of Education degree in secondary teaching there are two study options available:

\* For students entering at the undergraduate level there is a four-year concurrent course of study leading to a non-Education degree [in one of the seven curriculum areas offered by the University] + a Bachelor of Education degree:

\* Students who have a recognised degree related to one of the seven curriculum majors may apply for entry into the BEEd (Secondary) Graduate and can complete the Bachelor of Education in a minimum of two years full-time or part-time equivalent.

\* Joint degrees currently available include:  
B1159 BEd Sec/BA  
B1161 BEd Sec/BSc  
B1168 BEd Sec/BASianSt  
B1170 BEd Sec/BEcon  
B1174 BEd Sec/BEnvSc  
B1219 BEd Sec/BLS  
B1232 BEd Sec/BMedia  
B1291 BEd Sec/BCommun  
B1275 BEd Sec/BDMedia  
B1279 BEd Sec/BSportsSc (see separate entry)

Note: For information about the curriculum majors offered by the School of Education and appropriate joint degrees, please refer to <http://www.education.murdoch.edu.au/>

#### **Employment Prospects:**

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available on the WA Department of Education web site or from the Murdoch University School Experience Office.

The second is the Working with Children Check from the Department of Community Development. The application forms are available from the Murdoch University School Experience Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

#### **Recommended Minors:**

Inclusive Education; Media Studies; Science Communication

#### **Excluded Double Majors:**

Education (BEEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BEEd) [Primary, 1-10 Health and Physical Education]; Education (Graduate) (BEEd) [Primary Teaching] (Two Years); Education (Graduate) (BEEd) [Secondary Teaching] (Two Years)

#### **Exemptions/Credit and School Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4301 Professional Internship: BEEd Secondary but those who are currently employed in relevant teaching positions may seek permission to complete one Secondary practicum in their school. Students must contact the School Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based School Experience unit (EDN2101 or EDN3101; not EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

### **Course Structure - 96 credit points**

It is recommended that students select their units in such a way that they develop a minor teaching area in addition to their major teaching area. A minor teaching area normally comprises work related to the teaching area of which at least two units are at Part I level (minimum of 6 points) and at least one unit is at Part II level (minimum of 4 points).

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.



**Core Units - 6 credit points**

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

**General Electives - 15 credit points**

Students must use these points to meet the Part I requirements of their non-education degree. For any remaining points, select from any 100-level units offered by the University, subject to individual unit prerequisites.

**Part II - 72 credit points****Core Units - 36 credit points**

Part-time and external students should contact the Student Centre when creating their study plan, particularly as it is necessary for concurrent enrolment in the School Experience and Secondary Curriculum units. Students wishing to take a Minor should refer to the Minor structures in the Handbook.

**Year 2**

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2101 Professional Experience: BEd Secondary -- 2 pts  
Murdoch: SP9-external

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

**Year 3**

EDN3311 Students and Schools in Context 1 -- 2 pts  
NA 2011

EDN3321 Students and Schools in Context 2 -- 2 pts  
NA 2011

EDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-external

EDN3101 Professional Experience: BEd Secondary -- 2 pts  
NA 2011

Students should enrol concurrently in EDN3101 Professional Experience: BEd Secondary -- 2 pts with their Curriculum Minor.

**Curriculum Minor**

Students must select as a Minor one of the following units which is different from their Major area and for which they have the prerequisites (minimum of 10 points, for example 6 points at Part I and 4 points at Part II).

EDN313 English and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN318 Society and Environment Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN317 Science and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN314 Mathematics and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN316 Second/Foreign Languages and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

EDN315 Media and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

EDN312 Drama and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

Students may use some of their elective points to replace their Minor with a second Major, provided they have the required background. Please seek advice from the Academic Chair.

Students who do not have enough content background to select one of the above Minors must substitute with one of the elective units below or complete EDN334 Inclusive Education -- 4 pts. This does not provide a student with a Curriculum Minor.

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

**Year 4****Semester 1**

EDN4101 Professional Experience: BEd Secondary -- 2 pts  
NA 2011

Students should enrol concurrently in EDN4101 Professional Experience: BEd Secondary -- 2 pts with their Curriculum Major.

**Curriculum Major**

Select as a Major one of the following units:

EDN413 English and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN418 Society and Environment Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN417 Science and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN414 Mathematics and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN415 Media and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN412 Drama and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

**Semester 2**

Students should note that enrolment in EDN4301 Professional Internship: BEd Secondary -- 4 pts requires that 40 days be spent in schools, so enrolling in other units

is not possible, except for EDN445 Adolescent Health and Development -- 2 pts AND EDN444 Professional Issues for Teachers -- 2 pts.

EDN445 Adolescent Health and Development -- 2 pts  
NA 2011

EDN4301 Professional Internship: BEd Secondary -- 4 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

### General Electives - 36 credit points

Students must use these points to meet the Part II requirements of their non-education degree. For any remaining points, select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students who have completed four semesters (48 points) of the course may also enrol in specified 400-level units in Education for which they have the prerequisites. A list of specified 400-level units is available on the School of Education web site.

Students are advised to dedicate the final semester of study completely to Education units: that is, to complete the requirements for their second degree prior to the semester in which they do EDN4301 Professional Internship: BEd Secondary and EDN444 Professional Issues for Teachers and all other course requirements.

## EDUCATION (GRADUATE) (BED) [PRIMARY TEACHING] (TWO YEARS)

### School of Education

Bachelor of Education (BED) in Primary Teaching

Course Codes: B1258

Restriction: Enrolment in this course is subject to restriction.

Duration: 2 years full-time commencing in Summer term, or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (except for one school experience, one week intensive for EDN2261 and EDN112/EDN1121)
- Some units only: Rockingham campus (internal)

This course provides the opportunity for suitably qualified graduate students, who wish to obtain a qualification to teach Years 1 to 7 in primary schools, to complete a Bachelor of Education in two years. Opportunities to study part-time or externally are available.

Students should note that both internal and external Bachelor of Education (Graduate) students take EDN1121 Understanding Teachers' Work in the Summer option, which is an intensive 3-credit point version held on campus in the four-week period immediately prior to the commencement of Semester 1. All students (including external students) must undertake the first School Experience unit in a Perth metropolitan school under the guidance of a Murdoch University supervisor.

#### Employment Prospects:

Employment prospects are strong for graduates who are unrestricted in the location in which they wish to teach, i.e. graduates wishing to teach in rural and remote locations have high employment prospects with prospects more limited in metropolitan schools but generally strong overall.

#### Admission Requirements (Onshore):

An undergraduate degree in an appropriate discipline.

International students demonstrating English competence via IELTS need a score of 7.0, with no individual band less than 7.0.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. Therefore, a current WA Department of Education Criminal Record check is required. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. These checks are a national check to identify those who have a criminal history which indicates they may harm children. The appropriate application form is available from the School Experience Office or the WA Department of Education web site. Federal and state police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for details on this important matter.

Students with undergraduate degrees from non-English speaking environments should note that registration as a teacher in WA requires English language competence to be demonstrated. This requirement is administered by the Western Australian College of Teaching (WACOT). Affected students are advised to contact WACOT for further details.

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools. External students must undertake the first School Experience unit in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may negotiate with the School Experience Office to complete their subsequent school experience elsewhere.

Professional internship units form an integral part of all Murdoch University initial teaching qualifications. For this reason the University coordinates professional internship placement into schools which meet the requirements of a general teaching experience. All professional internship unit placements must meet this requirement.

#### Excluded Double Majors:

Education (BEd) [Early Childhood and Primary Teaching] (Four Years); Education (BEd) [Primary Teaching] (Four Years); Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BEd) [Primary, 1-10 Health and Physical Education]; Education (BEd) [Secondary Teaching] (Four Years)

#### Excluded Minors:

Inclusive Education

#### Professional Recognition:

Departments of Education nationally.

## Course Structure - 48 credit points

### Core Units - 48 credit points

#### Year 1 - 26 credit points

EDN1121 Understanding Teachers' Work -- 3 pts  
Murdoch: SB7-internal

#### Semester 1

EDN223 Teaching English and Literacy in Primary Schools -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN333 Teaching Mathematics in Primary Schools -- 4 pts  
NA 2011

EDN245 Learning and Assessment Processes -- 3 pts  
Murdoch: Y-internal, Y-external

### Semester 2

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2151 Professional Experience: Primary Graduate -- 2 pts  
Murdoch: AU4-external

EDN2251 Teaching The Arts in Primary Schools -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2261 Teaching Health and Physical Education in Primary Schools -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

## Year 2 - 22 credit points

### Semester 1

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN441 Teaching Society and the Environment in Primary Schools -- 4 pts  
NA 2011

EDN442 Teaching Science in Primary Schools -- 4 pts  
NA 2011

### Semester 2

EDN443 Planning for Effective Learning in Primary Schools -- 2 pts  
NA 2011

EDN4300 Professional Internship: BEd Primary -- 6 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

## **EDUCATION (GRADUATE) (BED) [SECONDARY TEACHING] (TWO YEARS)**

### School of Education

Bachelor of Education (BEd) in Secondary Teaching

Course Codes: B1224

Restriction: Enrolment in this course is subject to restriction.

Duration: 2 years full-time commencing in Summer term, or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (except for school experiences and EDN1121)
- Some units only: Rockingham campus (internal)

This course provides the opportunity for suitably qualified graduate students to complete a Bachelor of Education in two years. Opportunities to study part-time or externally are available.

Students should note that both internal and external Bachelor of Education (Graduate) students take EDN1121 Understanding Teachers' Work in the Summer option, which is an intensive 3-credit point version held on campus in the four-week period immediately

prior to the commencement of Semester 1. All students (including external students) must undertake the first curriculum-based School Experience unit in a Perth metropolitan school under the guidance of a Murdoch University supervisor.

### Employment Prospects:

Employment prospects are strong for graduates who are unrestricted in the location in which they wish to teach, i.e. graduates wishing to teach in rural and remote locations have high employment prospects with prospects more limited in metropolitan schools but generally strong overall.

### Admission Requirements (Onshore):

An undergraduate degree in an appropriate discipline.

Applicants should have completed undergraduate studies relevant to one of the following learning areas in secondary schools: English, Drama, Media, Society and Environment, Science, Mathematics, Languages Other Than English (LOTE) or English as a Second Language (ESL).

International students demonstrating English competence via IELTS need a score of 7.0, with no individual band less than 7.0.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. Therefore, a current WA Department of Education Criminal Record check is required. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. These checks are a national check to identify those who have a criminal history which indicates they may harm children. The appropriate application form is available from the School Experience Office or the WA Department of Education web site. Federal and state police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for details on this important matter.

Students with undergraduate degrees from non-English speaking environments should note that registration as a teacher in WA requires English language competence to be demonstrated. This requirement is administered by the Western Australian College of Teaching (WACOT). Students are advised to contact WACOT for further details.

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on campus or in Perth metropolitan schools. External students must undertake the first curriculum-based School Experience unit in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may negotiate with the School Experience Office to complete their subsequent school experience elsewhere.

Professional internship units form an integral part of all Murdoch University initial teaching qualifications. For this reason the University coordinates professional internship placement into schools which meet the requirements of a general teaching experience. All professional internship unit placements must meet this requirement.

### Excluded Double Majors:

Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA); Education (BEd) [Primary, 1-10 Health and Physical Education]; Education (BEd) [Secondary Teaching] (Four Years)

**Excluded Minors:**

Inclusive Education

**Professional Recognition:**

Departments of Education nationally.

**Course Structure - 49 credit points****Core Units - 37 credit points****Year 1 - 21 credit points**EDN1121 Understanding Teachers' Work -- 3 pts  
Murdoch: SB7-internalEDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internalEDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internalEDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internalEDU231 Schools in Context -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
Rockingham: S1-internalEDU3162 School Experience: Secondary BEd -- 2 pts  
Murdoch: AU9-external**Curriculum Minor**

Students may select as a Minor one of the following units which is different from their Major area for which they have the prerequisites.

EDN313 English and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-externalEDN318 Society and Environment Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-externalEDN317 Science and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-externalEDN314 Mathematics and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-externalEDN316 Second/Foreign Languages and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-externalEDN315 Media and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-externalEDN312 Drama and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

Students who do not have enough content background to select one of the above Minors may enrol in EDN334 Inclusive Education -- 4 pts [Murdoch: S2-internal, S2-external; Rockingham: S2-internal] in lieu of EDN3341 Inclusive Education -- 2 pts, or THE2461 Teaching Religion in Schools -- 2 pts [Murdoch: S2-internal, S2-external].

Students may use some of their specified elective points to replace their Minor with a second Major, provided they have the required background. Please seek advice from the Academic Student Advisor (Secondary).

**Year 2 - 16 credit points**EDU3161 School Experience: Secondary BEd -- 2 pts  
Murdoch: AU9-externalEDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-externalEDU387 Professional Internship Prelim: Secondary BEd -- 2 pts  
Murdoch: AU10-external, W5-external  
Students should enrol concurrently in EDN4101 with their Curriculum Major.EDU389 Professional Internship: Secondary BEd -- 6 pts  
Murdoch: AW1-external, SP2-internal, SP2-external**Curriculum Major**

Select as a Major one of the following units:

EDN413 English and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-externalEDN418 Society and Environment Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-externalEDN417 Science and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-externalEDN414 Mathematics and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-externalEDN416 Second/Foreign Languages and the Curriculum -- 4 pts  
NA 2011EDN415 Media and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-externalEDN412 Drama and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external**Specified Electives - 12 credit points**

Select from the following units.

Students who need to strengthen their discipline knowledge for their Major or Minor teaching area should consult the Academic Student Advisor (Secondary) [for alternatives to the Specified Electives listed].

MCC321 Children and the Media -- 4 pts  
Murdoch: S2-internalEDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-externalEDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-externalEDU404 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-externalEDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internalEDN398 Science Communication -- 4 pts  
Murdoch: S1-internal, S1-externalSOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-externalTHE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-externalEDN214 Thinking Mathematically -- 4 pts  
Murdoch: S2-internal, S2-external

- EDU445 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external
- EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal
- EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal
- EDU446 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external
- EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external
- EDU427 Development and Education -- 4 pts  
Murdoch: S1-external
- EDU458 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external
- EDU440 Facilitating Lifelong Learning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external
- EDU424 Critical Pedagogy: Gender, Race and Social Class in Education -- 4 pts  
Murdoch: SUM-internal
- EDN322 Integrated Early Childhood Curriculum -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal
- EDU417 Learning and Teaching with ICT -- 4 pts  
Murdoch: S2-external
- EDU471 Mentoring -- 4 pts  
Murdoch: S2-external
- EDU475 Opportunities with e-learning -- 4 pts  
Murdoch: W2-internal
- EDU444 Tertiary and Adult Education Policy -- 6 pts  
Murdoch: S2-internal, S2-external
- EDN320 Principles and Practices in Early Childhood Education -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal
- EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external
- EDU464 Reading through Multiliteracies -- 4 pts  
Murdoch: S2-external
- EDU461 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external
- EDU447 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external
- EDU403 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external
- EDU420 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

## EDUCATION + AUSTRALIAN INDIGENOUS STUDIES

### See also:

Australian Indigenous Studies  
Education

## EDUCATION (BED) [PRIMARY TEACHING] (FOUR YEARS) + AUSTRALIAN INDIGENOUS STUDIES (BA)

### School of Education

Bachelor of Education (BEd) in Primary Teaching  
+ Bachelor of Arts (BA) in Australian Indigenous Studies

Course Codes: B1252

Restriction: Enrolment in Primary Teaching is subject to restriction.

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience, one week intensive for EDN226, and EDN112)
- Some units only: Rockingham campus (internal)

This joint degree will enable graduates to bring an understanding of Indigenous issues to primary teaching. Students enrol concurrently in a Bachelor of Arts in Australian Indigenous Studies degree and a Bachelor of Education (Primary).

Primary Teacher Education graduates are qualified to teach across the curriculum at all levels of the primary school. The scope of the Australian Indigenous Studies degree includes both traditional and contemporary forms of Aboriginal society and culture, and develops an overall framework for understanding the variety of traditions that together constitute Aboriginality.

### Employment Prospects:

Murdoch teacher education graduates are employed in government and non-government schools and other education related occupations. A recent survey of all Murdoch teacher education students who graduated over the past decade showed that most were employed in teaching within a year of graduating. The knowledge of Indigenous issues gained through the AIS degree will be attractive to those systems employing teachers to teach in rural and remote areas, or where there is a significant number of Indigenous students. This joint degree is also useful for students who anticipate working for Indigenous organisations, public service or in allied areas of education, law, media and environmental science.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available on the WA Department of Education web site or from the Murdoch University School Experience Office.

The second is the Working with Children Check from the Department of Community Development. The application forms are available from the Murdoch University School Experience Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter schools without obtaining them.

**Excluded Double Majors:**

Australian Indigenous Studies (BA); Education (BEd) [Early Childhood and Primary Teaching] (Four Years); Education (BEd) [Primary Teaching] (Four Years); Education (BEd) [Primary, 1-10 Health and Physical Education]; Education (BEd) [Secondary Teaching] (Four Years); Education (Graduate) (BEd) [Primary Teaching] (Two Years); Education (Graduate) (BEd) [Secondary Teaching] (Two Years)

**Excluded Minors:**

Australian Indigenous Studies

**Main Research Areas:**

Education, History and heritage, culture.

**Exemptions/Credit and School Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4300 Professional Internship: BEd Primary, and EDN444 Professional Issues for Teachers, but those who are currently employed in relevant teaching positions may seek permission to complete one Primary practicum in their school. Students must contact the School Experience Office.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

**External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

External students must undertake the first School Experience unit, EDN2100 Professional Experience: BEd Primary (does not include EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

**Alternative Entry Pathway (Rockingham campus):**

An alternative entry pathway exists via the Primary Teaching Combination from Challenger TAFE (Rockingham) to Murdoch University Bachelor of Education (Primary Teaching). This pathway will provide applicants with advanced standing once they enter the University.

**Course Structure - 100 credit points****Course Prerequisites****Mathematics Background**

Students may need to complete EDN110 Mathematics for Teaching -- 3 pts if they have not completed Stage 2 or above of Year 12 Mathematics.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN113 Living and Learning with Technology -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN114 Thinking Mathematically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN115 Thinking Scientifically -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

AIS180 Introduction to Australian Indigenous Studies -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

plus one of the following:

AIS174 Contemporary Indigenous Cultural Expression -- 3 pts  
Murdoch: S2-internal, S2-external

AIS177 Introduction to Nyungar Culture -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

**Part II - 76 credit points****Core Units - 76 credit points****Primary Education - 56 credit points****Year 2**

Students are required to enrol concurrently in EDN2100 Professional Experience: BEd Primary -- 2 pts AND

EDN222 Learning, Teaching and Assessment 2 -- 3 pts.

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN223 Teaching English and Literacy in Primary Schools -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN2100 Professional Experience: BEd Primary -- 2 pts  
Murdoch: SP10-external  
Rockingham: SP10-external

EDN225 Teaching The Arts in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN226 Teaching Health and Physical Education in Primary Schools -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

### Year 3

EDN331 Students and Schools in Context 1 -- 3 pts  
NA 2011

EDN332 Students and Schools in Context 2 -- 3 pts  
NA 2011

EDN333 Teaching Mathematics in Primary Schools -- 4 pts  
NA 2011

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

With Academic Chair approval:

EDN300 Learning and Teaching in Educational Communities -- 4 pts  
Murdoch: AU4-external  
Rockingham: AU4-external

### Year 4

#### Semester 1

EDN441 Teaching Society and the Environment in Primary Schools -- 4 pts  
NA 2011

EDN442 Teaching Science in Primary Schools -- 4 pts  
NA 2011

With Academic Chair approval:

EDN3001 Learning and Teaching in Educational Communities -- 2 pts  
NA 2011

#### Semester 2

All point requirements of the course and core units are required to be successfully completed prior to enrolling in the final semester of study.

EDN443 Planning for Effective Learning in Primary Schools -- 2 pts  
NA 2011

EDN4300 Professional Internship: BEd Primary -- 6 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

### Australian Indigenous Studies - 20 credit points

Select from the following:

AIS2721 Wanju Boodjah 'Welcome To Country' -- 4 pts  
Murdoch: W1-internal

AIS281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

AIS228 Our Mob: Indigenous Families -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AIS205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

AIS301 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

NUR234 Indigenous Culture and Health Care -- 4 pts  
Peel: S2-internal

AIS250 Special Topics in Australian Indigenous Studies: Indigenous Spirituality -- 4 pts  
Murdoch: S1-internal, S1-external

AIS338 Blacks and Whites: Aboriginal Colonised History -- 4 pts  
Murdoch: S2-internal, S2-external

Students may substitute one unit (4 points) from the following in lieu of an AIS unit above:

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDN263 Aboriginal Perspectives Across the Curriculum -- 4 pts  
Murdoch: S1-internal

## EDUCATION + SPORTS SCIENCE

### See also:

Education  
Sports Science

## EDUCATION (BED) [SECONDARY TEACHING] + SPORTS SCIENCE (BSPORTSSC)

### School of Education

Bachelor of Education (BEd) in Secondary Teaching  
+ Bachelor of Sports Science (BSportsSc)

Course Codes: B1279

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The Bachelor of Education (Secondary Teaching) + Bachelor of Sports Science qualifies students to teach and coach in schools and work with sporting clubs as a coach and umpire/referee. As a Health and Physical Education teacher, graduates will have the skills, knowledge and values to promote an active and healthy lifestyle. As a secondary education teacher, graduates will be qualified to teach secondary school level, Health and Physical Education (Years 7 to 12) and Science (Years 7 to 10) at high schools throughout Western Australia. In addition, many schools will be interested in the additional coaching and officiating qualifications that can be gained by undertaking this course.

### Employment Prospects:

A recent survey of all Murdoch teacher education graduates for the past decade showed that almost all were employed in teaching within a year of graduating. Murdoch graduates are employed in government and non-government schools and other education-related occupations.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

All people wishing to work with children must have two checks to enable them to teach in Western Australian schools.

The first is the WA Department of Education Criminal History Record Check. Refer to the Study at Murdoch section of this Handbook for details on this important matter. Application forms for this check are available from the Murdoch University School Experience Office (MUSE).

The second is the Working with Children Check from the Department of Community Development. Application forms are available from the MUSE Office and must be signed by a MUSE Officer before lodging at a WA Post Office.

It is important to understand that these two checks are mandatory and students are not permitted to enter WA schools without obtaining them.

#### **Excluded Double Majors:**

Education (BEd) [Primary, 1-10 Health and Physical Education]

#### **Main Research Areas:**

Health and Physical Education; Coach Education; Sport Education.

#### **Exemptions/Credit and School Experience:**

Students seeking exemptions must be able to provide documentary evidence in support of their application.

Students who have had at least two years of full-time recent relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from the School Experience unit/s. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from EDN112 Understanding Teachers' Work.

Students cannot receive exemption from the School Experience component of EDN4301 Professional Internship: BEd Secondary but those who are currently employed in relevant teaching positions may seek permission to complete one Secondary practicum in their school. Students must contact the School Experience Office for advice.

If seeking uncredentialed credit students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience. All applications for exemption and credit must be directed to the Accreditation Officer.

#### **External Study:**

Not all required units in these majors are offered completely externally. Some are offered as short-term sessions on-campus or in Perth metropolitan schools.

External students must undertake their first curriculum-based School Experience unit (EDN2101 or EDN3101; not EDN112) in a Perth metropolitan school and under the guidance of a Murdoch University Supervisor. Subject to satisfactory completion of this unit, students may arrange, in consultation with the School Experience Office, to complete their subsequent school experience in a non-metropolitan school.

### **Course Structure - 96 credit points**

#### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 21 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

EDN111 Language for Learning and Teaching -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

CHI124 Principles of Sports Science -- 3 pts  
Murdoch: S1-internal

EDN116 Physical Education -- 3 pts  
Murdoch: S2-internal  
Rockingham: S1-internal

CHI108 Functional Human Anatomy -- 3 pts  
Murdoch: S2-internal

PSY172 Introduction to Psychological Health and Wellbeing -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

EDN112 Understanding Teachers' Work -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

### **Part II - 72 credit points**

#### **Core Units - 72 credit points**

Part-time and external students should create their own study plan for scheduling their units. Students need to ensure that they enrol in the correct school experience for their year of study and curriculum unit.

#### **Year 2**

Students must have completed the Curriculum unit EDN319 Sport Education -- 4 pts in order to enrol in their School Experience unit.

EDN319 Sport Education -- 4 pts  
Murdoch: S2-internal  
Rockingham: S1-internal

EDN2101 Professional Experience: BEd Secondary -- 2 pts  
Murdoch: SP9-external

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

CHI208 Health, Fitness and Performance Assessment -- 4 pts  
Murdoch: S1-internal

CHI226 Exercise Physiology I -- 4 pts  
Murdoch: S1-internal

EDN221 Learning, Teaching and Assessment 1 -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN222 Learning, Teaching and Assessment 2 -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

CHI225 Principles of Strength and Conditioning -- 4 pts  
Murdoch: S2-internal

#### **Year 3**

Students should enrol concurrently in EDN3101 Professional Experience: BEd Secondary -- 2 pts AND EDN317 Science and the Curriculum (Secondary) -- 2 pts.



EDN3311 Students and Schools in Context 1 -- 2 pts  
NA 2011

EDN3321 Students and Schools in Context 2 -- 2 pts  
NA 2011

EDN317 Science and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN3101 Professional Experience: BEd Secondary -- 2 pts  
NA 2011

CHI328 Physical Assessment and Rehabilitation -- 4 pts  
Murdoch: S1-internal

CHI315 Sports Science Practicum -- 8 pts  
Murdoch: H-internal, Y-internal

CHI318 Exercise, Programming and Prescription -- 4 pts  
Murdoch: S2-internal

CHI209 Biomechanics and Diagnostic Palpation Skills -- 4 pts  
Murdoch: S2-internal

EDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-external

#### Year 4

##### Semester 1

Students should enrol concurrently in EDN4101  
Professional Experience: BEd Secondary -- 2 pts AND  
EDN419 Health and Physical Education and the Curriculum  
-- 4 pts.

EDN419 Health and Physical Education and the Curriculum  
-- 4 pts  
NA 2011

EDN4101 Professional Experience: BEd Secondary -- 2 pts  
NA 2011

##### Semester 2

Professional Internship must be completed in the last  
semester of study.

EDN445 Adolescent Health and Development -- 2 pts  
NA 2011

EDN4301 Professional Internship: BEd Secondary -- 4 pts  
NA 2011

EDN444 Professional Issues for Teachers -- 2 pts  
NA 2011

## ENGINEERING

### See also:

Chemistry  
Engineering Technology  
Environmental Science

### BIOPROCESS ENGINEERING (BE)

#### School of Engineering and Energy

Bachelor of Engineering (BE) in Bioprocess Engineering

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Bioprocess Engineering is the application of chemical engineering principles to biological processes. Whilst sharing foundations of a traditional chemical engineering degree it takes the next step and

implements biotechnologies. This innovative specialisation of chemical engineering sees its relevance to the food and beverage industry, petrochemical industry, synthesis of biofuels, waste treatment, pollution control systems, metallurgical processing and the pharmaceutical industry. Students who are not only interested in biology and chemistry, but also their industrial applications should consider Bioprocess Engineering.

#### Employment Prospects:

There are a wide variety of industries in which Bioprocess Engineering graduates will find employment as professional engineers. These include food and beverage industries, petrochemical industry, synthesis of bio fuels, waste treatment, pollution control systems, metallurgical processing and the pharmaceutical industry.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

Students are expected to have sufficient background in Mathematics, Chemistry and Physics. Those who do not have the background will have to complete prerequisite units.

English competence.

#### Special Requirements:

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

#### Professional Recognition:

Engineers Australia provides accreditation guidelines and will commence assessment once the University has its first graduates.

### Course Structure - 96 credit points

#### Course Prerequisites

##### Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in Chemistry 3A/3B (or equivalent) within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics and their final scaled score in Mathematics 3C/3D or Mathematics: Specialist 3C/3D (or equivalent).

Mathematics 3C/3D with a final scaled score or 60 percent or more

OR

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their

enrolment requirements.

### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Part I - 24 credit points

### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

### Core Units - 21 credit points

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts

Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts

Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

PEC152 Principles of Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO152 Cell Biology -- 3 pts

Murdoch: S2-internal

## Part II - 72 credit points

### Core Units - 56 credit points

ENG241 Principles of Process Engineering -- 4 pts

Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO263 Microbiology I -- 4 pts

Murdoch: S1-internal

MAS208 Mathematical Modelling -- 4 pts

Murdoch: S2-internal, S2-external

PEC238 Organic Structures and Reactivity -- 4 pts

Murdoch: S1-internal, S1-external

ENG267 Control Systems and Process Dynamics -- 4 pts

Murdoch: S2-internal, W-internal

PEC201 Thermodynamics -- 4 pts

Murdoch: S2-internal, S2-external

ENG303 Advanced Process Engineering -- 4 pts

Murdoch: S1-internal

BIO301 Industrial Bioprocessing and Bioremediation -- 4 pts

Murdoch: S2-internal

ENG428 Engineering Design -- 4 pts

Murdoch: S1-internal, S2-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts

Murdoch: S1-internal

Plus either

ENG450 Engineering Internship -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

### Specified Electives - 16 credit points

In order to obtain professional accreditation, students must undertake units that are acceptable to Engineers Australia. Choose any units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

## ELECTRICAL POWER ENGINEERING (BE)

### School of Engineering and Energy

Bachelor of Engineering (BE) in Electrical Power Engineering

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

Electrical Power Engineering concerns the study of power system elements including power generators, transmissions and distribution systems components. At the completion of this course graduates will have gained a good understanding of power systems analysis, operation and control. Particular emphasis is also placed on system stability, safety and protection issues.

### Employment Prospects:

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

### Special Requirements:

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

### Professional Recognition:

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

## Course Structure - 96 credit points

### Course Prerequisites

#### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 21 credit points

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have not achieved WACE Chemistry 3A/3B with a final scaled score of 60 percent or more should enrol in PEC140 Introduction to Chemistry -- 3 pts.

### Part II - 72 credit points

#### Core Units - 56 credit points

ENG241 Principles of Process Engineering -- 4 pts  
Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts  
Murdoch: S1-internal

Either

ENG450 Engineering Internship -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

ENG347 Electromechanical Energy Conversion -- 4 pts  
Murdoch: S1-internal

ENG348 Power Transmission and Distribution Networks -- 4 pts  
Murdoch: S2-internal

ENG349 Power Electronic Converters and Systems -- 4 pts  
Murdoch: S1-internal

ENG455 Operation and Control of Power Systems -- 4 pts  
Murdoch: S1-internal

#### Specified Electives - 16 credit points

In order to obtain professional accreditation, students must undertake units that are acceptable to Engineers Australia. Select any units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

## ENGINEERING (BE) + COMMERCE (BCOM)

### School of Engineering and Energy

Bachelor of Engineering (BE)  
+ Bachelor of Commerce (BCom)

Course Codes: B1203

Duration: 5 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

This joint degree offers a combination of studies in both Engineering and Commerce.

This course will provide a very competitive set of skills to enable graduates to work in and across the boundaries of engineering as well as the commercial aspects of organisational activities. The Engineering + Management degree can be taken with Engineering majors in Industrial Computer Systems Engineering, Instrumentation and Control Engineering, Electrical Power

Engineering or Renewable Energy Engineering, and the Commerce major in Management. Other Engineering and/or Commerce majors can be chosen: see Engineering + Commerce for details of the course structure.

**Employment Prospects:**

Graduates will find a significantly wide range of career opportunities, in particular the pursuit of careers requiring a technical and quantitative skill base together with management and business skills. Of course this is in addition to the individual prospects of either an Engineering or Commerce graduate.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, Mathematics: Specialist 3C/3D and Physics 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

**Special Requirements:**

All students must undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Professional Recognition:**

Graduates of accredited engineering courses are eligible for Graduate Membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

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**Engineering + Management**

Student must choose one of the following Engineering majors to complete with Management to be able to follow this course structure: Industrial Computer Systems Engineering, Instrumentation and Control Engineering, Electrical Power Engineering or Renewable Energy Engineering.

Other Engineering and/or Commerce majors can be chosen, see Engineering + Commerce section for details of course structure.

**Course Structure**

**Course Prerequisites**

**Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 70 percent or more in Mathematics 3C/3D.

Students with a final scaled score of between 60-70 percent in Mathematics 3C/3D will need to complete:

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Students without either background stated above will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

AND MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and based on their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 30 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 27 credit points**

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

**Part II - 92 credit points**

**Core Units - 92 credit points**

For all BE courses, students should complete the Part II Core and Part II Specified Elective units as listed under the individual major descriptions.

Students completing the BE/BCom (Management) should also take:

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS228 Workplace Law -- 4 pts  
Murdoch: S2-internal, S2-external

BUS317 Strategic Management -- 4 pts  
Murdoch: S2-internal

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS378 Knowledge and Organisational Learning -- 4 pts  
Murdoch: S1-internal

### Honours

Students completing the Engineering major at a sufficiently high standard may be granted a degree with honours, based on the results achieved in Engineering units undertaken across all five years.

Students wishing to gain honours in the Bachelor of Commerce will be required to undertake an additional year of study of 24 points.

An Honours qualification of 2A or higher provides for admission to higher research degree study.

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### Engineering + Commerce

Students who do not wish to do the Engineering major and Management listed under Engineering + Management may choose another Engineering major and/or Commerce major following their individual course structures.

### Course Structure - at least 122 credit points

Students should follow the individual course structures for their chosen major in Engineering and Commerce, to enable them to complete the course requirements of both degrees.

### Honours

Students completing the Engineering major at a sufficiently high standard may be granted a degree with honours, based on the results achieved in Engineering units undertaken across all five years.

Students wishing to gain honours in the Bachelor of Commerce will be required to undertake an additional year of study of 24 points.

An Honours qualification of 2A or higher provides for admission to higher research degree study.

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## ENGINEERING (BE) + SCIENCE (BSC)

### School of Engineering and Energy

Bachelor of Engineering (BE)  
+ Bachelor of Science (BSc)

Course Codes: B1216

Duration: 5 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

This five-year course leads to the award of both a Bachelor of Engineering and a Bachelor of Science. Students will study one of the Engineering majors as described fully under the BE course description and combine this with study for a BSc.

Students can complete any of the Bachelors of Science available at Murdoch, subject to quota, but should note that depending on the combination more than five years of full-time study may be necessary. Popular combinations currently include: Environmental Science, Energy Studies, Chemistry, and Physics and Nanotechnology.

This is a very demanding combination of courses and students should be sure that they are able to undertake the load commitment and study level required.

#### Employment Prospects:

Please refer to the individual entries of relevant majors.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

### Special Requirements:

All students must undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

### Professional Recognition:

Graduates of accredited engineering courses are eligible for Graduate Membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

### Course Structure - at least 120 credit points

Students should follow the individual course structures for their chosen major in Engineering and Science, to enable them to complete the course requirements of both degrees.

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## ENVIRONMENTAL ENGINEERING (BE)

### School of Environmental Science

Bachelor of Engineering (BE) in Environmental Engineering

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Environmentally sound engineered systems are of increasing interest in our society.

This degree will equip graduates with the discipline knowledge and problem-solving skills to design water, energy, shelter and primary production systems underpinned by ecological knowledge. Graduates can be employed by engineering firms, land developers, utilities, international development and government agencies to design and manage engineered systems. Graduates will have a global perspective and ethical approach to sustainable development.

#### Employment Prospects:

Graduates will be in high demand in energy and water utilities, and in companies and consulting agencies servicing this sector. Moreover, government departments are significant employers of graduates.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. Students who do not have the necessary background in WACE Chemistry, Mathematics and Physics may take longer than four years to complete this course. Articulation from TAFE is encouraged.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Professional Recognition:**

Murdoch University is following the requirements for course accreditation and recognition of graduates by Engineers Australia.

**Main Research Areas:**

Total water cycle management, energy efficiency, permaculture, sustainable construction, organic waste management.

**Course Structure - 96 credit points****Course Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students may need to complete up to two prerequisite units depending on their background in mathematics and their final scaled score in either Mathematics: Specialist 3C/3D or Mathematics 3C/3D within the past three years.

Mathematics: Specialist 3C/3D with a final scaled score of 55 percent or more

OR

Mathematics 3C/3D with a final scaled score of 55 percent or more

and

Year 11 Introduction to Calculus

and

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

and

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in TEE Physics within the past three years.

WACE Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

BIO103 Environmental Biology -- 3 pts

Murdoch: S1-internal, S1-external

ENV102 Introduction to Environmental Science -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

PEC144 Chemical Principles -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts

Murdoch: S1-internal

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

ENG109 Computing for Scientists and Engineers -- 3 pts

Murdoch: S2-internal

PEC152 Principles of Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II - 72 credit points****Core Units - 68 credit points**

ENV211 Pollution and its Control -- 4 pts

Murdoch: S1-internal, S1-external

ENV206 Water Conservation and Auditing -- 4 pts

Murdoch: S1-internal, S1-external

ENV268 Ecology -- 4 pts

Murdoch: S2-internal, S2-external

ENV210 Environmental Technology for Sustainable Development -- 4 pts

Murdoch: S2-internal, S2-external

ENV281 Water and Earth Science -- 4 pts

Murdoch: S1-internal, S1-external

ENV318 Sustainable Water Systems -- 4 pts

Murdoch: S2-internal, S2-external

ENV319 Environmental Management -- 4 pts

Murdoch: S2-internal, S2-external

ENG241 Principles of Process Engineering -- 4 pts

Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG267 Control Systems and Process Dynamics -- 4 pts

Murdoch: S2-internal, W-internal

PEC390 Energy Systems -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

MAS208 Mathematical Modelling -- 4 pts

Murdoch: S2-internal, S2-external

ENG453 Engineering Law, Management and Ethics -- 4 pts

Murdoch: S1-internal

ENG428 Engineering Design -- 4 pts

Murdoch: S1-internal, S2-internal

ENG450 Engineering Internship -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

### **Specified Electives - 4 credit points**

Select from the following:

PEC311 Greenhouse Accounting and Life Cycle Assessment -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

PEC294 Energy Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-external, Y-external

MAS375 Modelling and Simulation -- 4 pts

Murdoch: S2-internal, S2-external

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## **INDUSTRIAL COMPUTER SYSTEMS ENGINEERING (BE)**

### **School of Engineering and Energy**

*Bachelor of Engineering (BE) in Industrial Computer Systems Engineering*

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

Industrial Computer Systems Engineering is concerned with the use and application of computing technologies (hardware and software) in the operation of modern industrial plants, manufacturing processes and material processing industries, particularly computer based measurement and control. This course provides a graduate with a unique blend of skills in computing, software development and the skills to design, commission and test complex industrial control systems.

#### **Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, WACE Mathematics: Specialist 3C/3D, WACE Physics 3A/3B and WACE Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

#### **Special Requirements:**

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

#### **Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics and their final scaled score in either Mathematics 3C/3D or Mathematics: Specialist 3C/3D (or equivalent) within the past three years.

Mathematics 3C/3D with a final scaled score of 60 percent or more

OR

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### **Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have not achieved WACE Chemistry 3A/3B with a final scaled score of 60 percent or more should enrol in PEC140 Introduction to Chemistry -- 3 pts.

**Part II - 72 credit points****Core Units - 56 credit points**

ENG241 Principles of Process Engineering -- 4 pts  
Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts  
Murdoch: S1-internal

ENG454 Industrial Computer Systems Design -- 4 pts  
Murdoch: S1-internal

ENG305 PLC Systems -- 4 pts  
Murdoch: S1-internal

ENG345 SCADA and Instrument Systems -- 4 pts  
Murdoch: S2-internal

ENG306 Real Time and Embedded Systems -- 4 pts  
Murdoch: S2-internal

Either

ENG450 Engineering Internship -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

**Specified Electives - 16 credit points**

In order to obtain professional accreditation, students must undertake units that are acceptable to Engineers Australia. Choose any units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

**INSTRUMENTATION AND CONTROL ENGINEERING (BE)****School of Engineering and Energy**

Bachelor of Engineering (BE) in Instrumentation and Control Engineering

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Instrumentation and Control Engineering is concerned with the design, construction, testing and management of tools and equipment for monitoring, control and performance assessment of a wide range of manufacturing and industrial processes. Areas of application will cover virtually all processes that require specialised control and monitoring systems. Often, such automation systems are computer based. Particular emphasis is placed on applications in mining, chemical and mineral processing industries and in other processing sectors.

**Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, WACE Mathematics: Specialist 3C/3D, WACE Physics 3A/3B and WACE Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

**Special Requirements:**

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

**Course Structure - 96 credit points**



**Course Prerequisites****Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D.

Students without this background will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have not achieved WACE Chemistry 3A/3B with a final scaled score of 60 percent or more should enrol in PEC140 Introduction to Chemistry -- 3 pts.

**Part II - 72 credit points****Core Units - 56 credit points**

ENG241 Principles of Process Engineering -- 4 pts  
Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts  
Murdoch: S1-internal

ENG420 Instrumentation and Control Systems Design -- 4 pts  
Murdoch: S1-internal

ENG303 Advanced Process Engineering -- 4 pts  
Murdoch: S1-internal

ENG304 Process Control Engineering I -- 4 pts  
Murdoch: S1-internal

ENG346 Process Control Engineering II -- 4 pts  
Murdoch: S2-internal

Either

ENG450 Engineering Internship -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

**Specified Electives - 16 credit points**

In order to obtain professional accreditation, students must undertake units that are acceptable to Engineers Australia. Choose any units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

**MEDICAL ENGINEERING (BE)****School of Engineering and Energy**

*Bachelor of Engineering (BE) in Medical Engineering*

Course Codes: B1188

Duration: 4 years full-time for students with required background

**Availability:**

- Murdoch campus (internal)

Medical Engineering is the application of Engineering principles and processes in a biomedical environment. The increasing dependence of sophisticated technologies in medicine has ensured the rapid growth and continually increasing world demand for this specialisation.

This major emphasises biomedical instrumentation, which combines elements of computer based measurement, control and instrumentation to aid the design of medical devices and systems. By its nature, the course is highly interdisciplinary, requiring the

study of units in biomedical sciences, radiology, mathematics, electronics, control and medical engineering practice. Students who are interested in understanding the dynamic aspects of human anatomy and physiology from an engineering systems perspective should consider Medical Engineering as an option.

This major teaches students how to apply traditional engineering principles to biological processes in order to analyse and solve problems in biology and medicine. On graduating, students will be well placed to make significant contributions to the overall enhancement of health care and quality of life.

**Employment Prospects:**

Employment opportunities will exist in hospitals, medical centres, medical instrument and prosthetic device manufacturers, and government health monitoring agencies.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

Students are expected to have sufficient background in Mathematics, Chemistry and Physics. Those who do not have the background will have to complete prerequisite units.

English competence.

**Special Requirements:**

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

**Excluded Double Majors:**

Extractive Metallurgy (BExtMet)

**Professional Recognition:**

Accreditation with Engineers Australia will be sought.

**Course Structure - 96 credit points**

**Course Prerequisites**

**Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 70 percent or more in Mathematics 3C/3D.

Students with a final scaled score of between 60-70 percent in Mathematics 3C/3D will need to complete:

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students without either background stated above will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

AND

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II - 72 credit points**

**Core Units - 60 credit points**

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

MAS305 Environmental and Biological Modelling -- 4 pts  
Murdoch: S1-internal, S1-external

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG371 Biomedical Instrumentation -- 4 pts  
Murdoch: S1-internal

ENG372 Biomedical Signal Processing -- 4 pts  
Murdoch: S1-internal

ENG373 Biomedical Systems Engineering -- 4 pts  
Murdoch: S1-internal, S2-internal

ENG345 SCADA and Instrument Systems -- 4 pts

Murdoch: S2-internal

ENG306 Real Time and Embedded Systems -- 4 pts

Murdoch: S2-internal

ENG304 Process Control Engineering I -- 4 pts

Murdoch: S1-internal

ENG428 Engineering Design -- 4 pts

Murdoch: S1-internal, S2-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts

Murdoch: S1-internal

### **Specified Electives - 12 credit points**

Select from the following:

ENG450 Engineering Internship -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

ENG460 Engineering Thesis -- 12 pts

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

## **RENEWABLE ENERGY ENGINEERING (BE)**

### **School of Engineering and Energy**

Bachelor of Engineering (BE) in Renewable Energy Engineering

Course Codes: B1188

Duration: 4 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

Renewable Energy Engineering focuses on the use of sources of energy which do not result in long term reduction, or loss, of our earth's resources. It is concerned with developing efficient means of tapping these energy sources and transforming the energy into useful forms that can be easily used for the full range of domestic and industrial applications. Graduates will be expected to design, commission and test a wide range of renewable energy systems, including solar thermal, photovoltaic, wind based and biomass systems.

The course requires an in-depth study of a range of mathematics, computing and engineering fundamentals, combined with a full range of studies in the necessary specialist subject areas. This is complemented by studies in management, accounting, economics and law.

#### **Employment Prospects:**

An extremely wide range of opportunities are available in both the commercial and industrial sectors covering information technology, manufacturing, medical, mining, processing, energy supply, communications, electronics, computer systems and defence-related industries to name a few.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. It is recommended that students have completed the equivalent of Mathematics 3C/3D, Mathematics: Specialist 3C/3D, Physics 3A/3B and Chemistry 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

#### **Special Requirements:**

Some students will undertake at least 500 hours of approved work experience, plus complete a report outlining the experience gained,

in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Engineering Academic Chair.

#### **Professional Recognition:**

Graduates of accredited engineering courses are eligible for graduate membership of Engineers Australia. Full Chartered Professional Engineer status can then be achieved after a further three to five years of work experience in the engineering profession.

## **Course Structure - 96 credit points**

### **Course Prerequisites**

#### **Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### **Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## **Part I - 24 credit points**

### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

### **Core Units - 21 credit points**

PEC152 Principles of Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts

Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts

Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

ENG125 Circuits and Systems I -- 3 pts

Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have not achieved WACE Chemistry 3A/3B with a final scaled score of 60 percent or more should enrol in PEC140 Introduction to Chemistry -- 3 pts.

## Part II - 72 credit points

### Core Units - 56 credit points

ENG241 Principles of Process Engineering -- 4 pts  
Murdoch: S1-internal

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

ENG453 Engineering Law, Management and Ethics -- 4 pts  
Murdoch: S1-internal

Either

ENG450 Engineering Internship -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

OR

ENG460 Engineering Thesis -- 12 pts  
Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

ENG307 Resources for Renewable Energy -- 4 pts  
Murdoch: S1-internal

ENG352 Energy Supply Systems -- 4 pts  
Murdoch: S2-internal, Y-external

ENG351 Renewable Energy Design Workshop -- 4 pts  
Murdoch: S2-internal

ENG421 Renewable Energy Systems Engineering -- 4 pts  
Murdoch: S1-internal

### Specified Electives - 16 credit points

In order to obtain professional accreditation, students must undertake units that are acceptable to Engineers Australia. Choose any units at Part II from the other Engineering majors or other Part II units with permission of the Engineering Academic Chair.

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## HONOURS IN ENGINEERING (BE(HONS))

### School of Engineering and Energy

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High Distinction.

Please check the online Handbook at a later date.

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## ENGINEERING TECHNOLOGY

### See also:

Engineering

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## ENGINEERING TECHNOLOGY (BTECH)

### School of Engineering and Energy

Bachelor of Technology (BTech) in Engineering Technology

Course Codes: B1052

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The approach of the technologist is, wherever possible, to use and adapt 'off the shelf' building blocks and components to create and/or modify the required software and/or hardware. In this degree students are free to choose from a range of units; however, there are four key areas of study:

**Industrial Computer Systems:** concerned with the specification, design, implementation and commissioning of industrial control systems. It is a combination of both computer hardware and software to meet the requirements of the industrial measurement and control application.

**Instrumentation and Control:** concerned with instrumentation installation, specification, systems monitoring and operational control of a wide range of manufacturing and process oriented industries.

**Electrical Power:** associated with power system elements including power generators, transmission and distribution system components as well as power system analysis, operation and control.

**Renewable Energy Systems:** concerned with the study and use of renewable energy technologies and energy sources with an emphasis on electrical generation.

### Employment Prospects:

This degree offers study suitable for graduates to enter a wide range of engineering and applied science careers as Engineering Technologists. Depending on the specific units chosen, graduates may pursue careers in industries associated with computing and information technology, industrial computer systems, instrumentation and control.

### Admission Requirements (Onshore):

Normal university admission requirements apply. It is recommended that students have completed the equivalent of WACE Mathematics 3C/3D, Mathematics: Specialist 3C/3D and WACE Physics 3A/3B. Students who do not have the necessary Mathematical and Physics prerequisite knowledge may take an extra semester to complete their studies.

English competence.

### Professional Recognition:

Engineers Australia recognises three-year degrees for the category of Engineering Technologist.

### Advanced Standing:

This major is designed to admit students either through direct entry to the University, or via TAFE. Students who have completed appropriate TAFE qualifications may be admitted directly into the second year of the major.

Upon successful completion of this course, it is possible with one further year of study to upgrade to a Bachelor of Engineering degree. It should be noted that if a sufficient level of performance

is achieved in the first year, it is also possible to transfer into the Engineering course in the second year of study.

## Course Structure

### Course Prerequisites

#### Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics: Specialist 3C/3D or a final scaled score of 60 percent or more in Mathematics 3C/3D. Students without this background will need to complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B (or equivalent) within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

## Part I - 24 credit points

### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

### Core Units - 21 credit points

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

ENG109 Computing for Scientists and Engineers -- 3 pts  
Murdoch: S2-internal

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

ENG125 Circuits and Systems I -- 3 pts  
Murdoch: S2-internal

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
(recommended for students who have not achieved a final scaled score of 60% or more in WACE Chemistry 3A/3B)

OR

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

## Part II - 48 credit points

### Core Units - 28 credit points

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ENG243 Circuits and Systems II -- 4 pts  
Murdoch: S1-internal

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

ENG262 Principles of Electronic Instrumentation -- 4 pts  
Murdoch: S2-internal, SUM-internal

ENG241 Principles of Process Engineering -- 4 pts  
Murdoch: S1-internal

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENG310 Engineering Technology Project -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

### Specified Electives - 20 credit points

Select from the following:

ENG303 Advanced Process Engineering -- 4 pts  
Murdoch: S1-internal

ENG305 PLC Systems -- 4 pts  
Murdoch: S1-internal

ENG345 SCADA and Instrument Systems -- 4 pts  
Murdoch: S2-internal

ENG304 Process Control Engineering I -- 4 pts  
Murdoch: S1-internal

ENG346 Process Control Engineering II -- 4 pts  
Murdoch: S2-internal

ENG306 Real Time and Embedded Systems -- 4 pts  
Murdoch: S2-internal

ENG347 Electromechanical Energy Conversion -- 4 pts  
Murdoch: S1-internal

ENG348 Power Transmission and Distribution Networks -- 4 pts  
Murdoch: S2-internal

ENG349 Power Electronic Converters and Systems -- 4 pts  
Murdoch: S1-internal

ENG352 Energy Supply Systems -- 4 pts  
Murdoch: S2-internal, Y-external

ENG307 Resources for Renewable Energy -- 4 pts  
Murdoch: S1-internal

ENG351 Renewable Energy Design Workshop -- 4 pts  
Murdoch: S2-internal

## ENGLISH AND CREATIVE ARTS

### ENGLISH AND CREATIVE WRITING (BA)

#### School of Social Sciences and Humanities

Bachelor of Arts (BA) in English and Creative Writing

Course Codes: B1137

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

English and Creative Writing is an exciting major that offers excellent opportunities to develop analytical and production skills in many different forms of writing and performance. Students are exposed to a wide range of literary, non-literary, theoretical, dramatic, electronic and other kinds of texts, with an emphasis on critical understanding and practical production. Upon completion of the major, graduates will be skilled in methods of analysis and argument, fluent in expression, and confident in their ability to undertake critical and/or creative work.

**Employment Prospects:**

Depending on the particular make-up of the degree, graduates in English and Creative Writing would be well trained for employment in several of the following professions: advertising, design, teaching, public administration, journalism, acting, stage direction, publishing, computer arts, and many fields of business.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Recommended Double Majors:**

History (BA); Philosophy (BA); Theatre and Drama (BA)

**Recommended Minors:**

Asian Studies; Creative Arts; Literature; Philosophy; Theatre and Drama Studies

**Excluded Minors:**

Creative Writing

**Languages and Writing Skills:**

English and Creative Writing students are strongly encouraged to study another language, such as Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all offered by Murdoch University, or another language studied cross-institutionally. Students are also encouraged to include a writing unit in their selection of a general elective at either Part I or Part II.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

EGL121 Introduction to Literature -- 3 pts  
Murdoch: S1-internal, S1-external

Plus one unit from the following:

EGL114 Introduction to Creative Arts -- 3 pts  
Murdoch: S1-internal, S1-external

EGL150 Writing for Professional Purposes -- 3 pts  
Murdoch: S1-internal

EGL122 Creative Writing: Text and Practice I -- 3 pts  
Murdoch: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): History (BA); Philosophy (BA); Theatre and Drama (BA).

**Part II - 48 credit points**

**Core Units - 24 credit points**

Select from the following:

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts  
Murdoch: S1-internal, S1-external

EGL260 Project in Creative Writing -- 4 pts  
Murdoch: S1-internal

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

EGL234 Literary Journalism -- 4 pts  
Murdoch: S1-internal

EGL354 Literary Theory -- 4 pts  
Murdoch: S1-internal

EGL237 Narrative: Fiction and Film -- 4 pts  
Murdoch: S1-internal, S1-external

EGL328 Understanding Poetry -- 4 pts  
Murdoch: S1-internal, S1-external

EGL298 Representation and Gender -- 4 pts  
Murdoch: S2-internal, S2-external

EGL284 Australian Literature and Film -- 4 pts  
NA 2011

EGL224 Literature in an Age of Terror -- 4 pts  
Murdoch: S1-internal, S1-external

EGL223 World Writing Today -- 4 pts  
Murdoch: S2-internal, S2-external

EGL290 Popular Literature and Science Fiction -- 4 pts  
Murdoch: S2-internal, S2-external

EGL308 Shakespeare -- 4 pts  
Murdoch: S2-internal, S2-external

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

One of the following units may be substituted for one of the units listed above:

AIS281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

PHL218 Critical Metaphysics -- 4 pts  
Murdoch: S2-internal, S2-external

PHL217 Meaning and Interpretation -- 4 pts  
NA 2011

AST330 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

AST256 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): History (BA); Philosophy (BA); Theatre and Drama (BA).

Recommended:

TLC277 From University to Workplace -- 4 pts  
Murdoch: S2-internal

**HONOURS IN ENGLISH AND CREATIVE WRITING (BA(HONS))****School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in English and Creative Writing

Course Codes: H1149

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend students' grasp of the principles and practice of their subject, and to develop skills for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 8 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

EGL461 Theories in the Humanities - Honours -- 4 pts  
Murdoch: S1-internal

**Elective Units - 4 credit points**

Select from the following:

EGL469 Honours Dissertation Preliminary -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

EGL4191 Honours Topic in English and Creative Writing -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

EGL4199 Honours Thesis in English and Creative Writing -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**ENTREPRENEURSHIP AND INNOVATION****See also:**

Biotechnology + Commerce

**ENTREPRENEURSHIP AND INNOVATION (BCOM)****Murdoch Business School**

Bachelor of Commerce (BCom) in Entrepreneurship and Innovation

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Entrepreneurship, its evolution throughout the centuries and its impact on economic development has enjoyed great interest and recognition by industry and many universities around the globe in the last decades. In line with these views, the purpose of a BCom in this field is to prepare students with general management skills, encourage them to develop their own entrepreneurial mindsets and provide business theory and 'know-how' towards the creation and running of small to medium enterprises (SMEs). Entrepreneurial skills such as leadership, communication, creativity, innovation, feasibility determination, planning and evaluation of new commercialisation opportunities are explored. Students will be focusing on market research, future forecasting and sustainability, and financial analysis to develop comprehensive feasibility plans for future businesses. This major is regularly referred to as a foundation for students interested in postgraduate business qualifications, particularly an MBA.

**Employment Prospects:**

The major will support those candidates who have a desire to seek employment with both the small to medium enterprise. It will also help equip candidates to start their own business venture or participate in an established business.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Accounting (BCom); Management (BCom); Marketing (BCom)

**Recommended Minors:**

Management

**Excluded Minors:**

Entrepreneurship and Innovation

**Main Research Areas:**

Entrepreneurship and business innovation for small to medium enterprises.

**Course Structure - 72 credit points****Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Management (BCom); Marketing (BCom).

**Part II - 48 credit points****Core Units - 12 credit points**

BUS274 Entrepreneurship in Organisations -- 4 pts  
Murdoch: S2-internal, S2-external

BUS215 Business Feasibility and Management Concepts -- 4 pts  
Murdoch: S1-internal

BUS331 Applied Sustainable Entrepreneurship and Business Innovation -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 12 credit points**

Select from the following:

BUS216 Technology and the Law -- 4 pts  
Murdoch: S2-internal

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Management (BCom); Marketing (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to

undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

**HONOURS IN ENTREPRENEURSHIP AND INNOVATION (BCom(HONS))****Murdoch Business School**

Bachelor of Commerce with Honours (BCom(Hons)) in Entrepreneurship and Innovation

Course Codes: H1201

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal



BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## ENVIRONMENTAL MANAGEMENT

### See also:

Environmental Science

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## ENVIRONMENTAL MANAGEMENT (BENVMAN)

### School of Environmental Science

Bachelor of Environmental Management (BEnvMan)

Course Codes: B1254

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)

The world must address the challenges from climate change and population growth. Such challenges can only be met through sustainable management that not only integrates science of the total environment but also translates that science into practical management decisions. The Environmental Management degree links management to local, regional and global sustainability, enabling graduates to develop clear management alternatives for a viable sustainable future.

### Employment Prospects:

Environmental Management graduates are well positioned to enter the public and private sectors, to join environmental consulting firms, and to work overseas. Employment opportunities are likely to be enhanced for graduates who have completed either the Bachelor of Environmental Science or research honours.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken Chemistry 3A/3C and Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

This degree is available externally, although some attendance is required in individual units.

### Recommended Double Majors:

Environmental Science (BEnvSc, BSc); Management (BCom); Marine Science (BSc)

### Recommended Minors:

Ecosystem Management; Environmental Issues; Marine Biology

### Main Research Areas:

Ecosystem management and restoration, technologies and policies for sustainable development.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 12 credit points

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal  
DUBAI-ISC: N1-internal, N2-internal

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N1-internal

OR

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Science (BEnvSc, BSc); Management (BCom); Marine Science (BSc).

Recommended:

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N2-internal

ENV104 Australian Environmental Issues -- 3 pts  
Murdoch: S2-internal, S2-external

### Part II - 48 credit points

#### Core Units - 20 credit points

ENV222 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T1B-internal

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

OR

ENV215 Principles of Environmental Policy and Law -- 4 pts  
SGP1: T2B-internal

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T3B-internal

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T2B-internal

ENV206 Water Conservation and Auditing -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T1B-internal

### Specified Electives - 4 credit points

Select from the following:

ENV319 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

ENV203 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T3B-internal

ENV324 Environmental Restoration -- 4 pts  
Murdoch: S1-internal, S1-external

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Science (BEnvSc, BSc); Management (BCom); Marine Science (BSc).

Recommended:

ENV316 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

ENV208 Australian Coastal Environments -- 4 pts  
Murdoch: S2-internal

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

## HONOURS IN ENVIRONMENTAL MANAGEMENT (BENVMAN(HONS))

### School of Environmental Science

Bachelor of Environmental Management with Honours (BEnvMan(Hons))

Course Codes: H1194

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Academic Chair before application to discuss supervision of their potential research project.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

## Course Structure - 24 credit points

### Coursework - 4 credit points

ENV523 Environmental Science Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

### Thesis - 20 credit points

ENV4089 Honours Thesis in Environmental Management -- 20 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## ENVIRONMENTAL SCIENCE

#### See also:

Environmental Management  
Marine Science

## ENVIRONMENTAL SCIENCE (BENVSC, BSC)

### School of Environmental Science

Bachelor of Science (BSc) in Environmental Science  
or Bachelor of Environmental Science (BEnvSc)

Course Codes: B1038; B1039

Duration: BSc: 3 years full-time or part-time equivalent; BEnvSc: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Murdoch University offers two Environmental Science majors at undergraduate level. Both majors are interdisciplinary in nature and are designed to enable graduates to contribute, as individuals and through their employment, to the identification and resolution of environmental problems. The majors are structured around the themes of air, water, land, biota, people, policy and technology with an integrated environmental management perspective. While Environmental Science students are trained in the scientific approach to environmental management, they are also expected to acquire a wider perspective to appreciate the human factors involved in the formulation and implementation of environmental policy.

#### Employment Prospects:

Environmental Science graduates are well positioned to enter the public and private sectors, to join environmental consulting firms, and to work overseas. Employment opportunities are likely to be enhanced for graduates who have completed either the Bachelor of Environmental Science or research honours.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken Chemistry 3A/3C and Mathematics 2C/2D. First-year students can commence in either degree and, once they have completed at least 12 points, can apply to transfer between the two degrees.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Both degrees are available externally, although some attendance is required in individual units.

#### Recommended Double Majors:

Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Law (LLB) + Other Bachelor Degree [can be completed as a double

degree (LLB and BSc/BEnvSc); see the separate description in this section of the Handbook]; Marine Science (BSc)

**Recommended Minors:**

Animal Biology; Applied Statistics; Conservation Biology; Energy Studies; Environmental Issues; Environmental Policy; Marine Biology; Mathematical Modelling; Plant Biology; Pollution Science; Science Communication; Sustainable Development

**Excluded Minors:**

Ecosystem Management

**Course Structure - BSc (Environmental Science), 72 points; BEnvSc, 96 credit points**

**Course Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in Chemistry 3A/3C within the past three years.

Chemistry 3A/3C with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Law (LLB) + Other Bachelor Degree [can be completed as a double degree (LLB and BSc/BEnvSc); see the separate description in this section of the Handbook]; Marine Science (BSc).

Recommended for students with limited computer literacy:

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal  
Rockingham: S1-internal

Also recommended:

ENV104 Australian Environmental Issues -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II (BSc and BEnvSc) - 48 credit points**

**Core Units - 28 credit points**

ENV213 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV211 Pollution and its Control -- 4 pts  
Murdoch: S1-internal, S1-external

ENV281 Water and Earth Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV319 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

ENV311 Managing Wetlands and Water -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Law (LLB) + Other Bachelor Degree [can be completed as a double degree (LLB and BSc/BEnvSc); see the separate description in this section of the Handbook]; Marine Science (BSc).

Bachelor of Science students intending to enrol in the Bachelor of Environmental Science should enrol in the higher level code for the following units as part of their fourth year.

Recommended:

ENV208 Australian Coastal Environments -- 4 pts  
Murdoch: S2-internal

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

**Part II (Year 4, BEnvSc only) - 24 credit points**

**Core Units - 24 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

ENV522 Environmental Assessment and Management -- 4 pts  
Murdoch: S1-internal, S1-external

ENV523 Environmental Science Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV614 Earth System Science -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

Other 400/500/600 level units from Environmental Science may be substituted with the permission of the Academic Chair.

## HONOURS IN ENVIRONMENTAL SCIENCE (BENVSC(HONS))

### School of Environmental Science

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High Distinction.

Please check the online Handbook at a later date.

## HONOURS IN ENVIRONMENTAL SCIENCE (BSC(HONS))

### School of Environmental Science

Bachelor of Science with Honours (BSc(Hons)) in Environmental Science

Course Codes: H1036

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Students who have completed the three-year degree Bachelor of Science (Environmental Science) may apply for admission to the one-year Bachelor of Science (Environmental Science) Honours-level studies.

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 4 credit points

ENV523 Environmental Science Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

#### Thesis - 20 credit points

ENV4019 Honours Thesis in Environmental Science -- 20 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

## EXERCISE PHYSIOLOGY

### EXERCISE PHYSIOLOGY (BSC)

#### School of Chiropractic and Sports Science

Bachelor of Science (BSc) in Exercise Physiology

Course Codes: B1286

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Exercise Physiology is a mainstream allied health profession concerned with the delivery of exercise, lifestyle, and behavioural modification programs for the prevention and management of chronic disease and injury. Murdoch graduates of the Exercise Physiology course will possess the skills and ability to provide physical activity and behavioural programs for clients with conditions as diverse as cardiovascular disease, diabetes, osteoporosis, depression, cancer, arthritis, respiratory disease and many others.

#### Employment Prospects:

Exercise Physiologists are eligible to register with Medicare Australia, the Department of Veterans Affairs and have recognition among a number of health insurers. Exercise Physiologists may work as part of a healthcare team in a hospital based setting or may establish their own private business.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Special Requirements:

A Working with Children Check will be required for some practical placements.

Screening for Tuberculosis, Rubella, Mumps, Measles, Varicella, Tetanus-Diphtheria, Poliomyelitis, Hepatitis B and MRSA. Department of health criminal record clearance.

#### Excluded Double Majors:

Sports Science (BSportsSc)

#### Professional Recognition:

Graduates of the 4-year Exercise Physiology course will be eligible to apply for accreditation as an Exercise Physiologist with the Australian Association for Exercise and Sports Science (AAESS). Exercise Physiologists are eligible to register with Medicare Australia, the Department of Veterans Affairs and have recognition among a number of health insurers.

#### Main Research Areas:

Exercise Physiology, Exercise Science.

### Course Structure - 96 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 18 credit points

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

CHI124 Principles of Sports Science -- 3 pts  
Murdoch: S1-internal

CHI108 Functional Human Anatomy -- 3 pts  
Murdoch: S2-internal

CHI106 Introduction and Application of Epidemiology -- 3 pts  
Murdoch: S2-internal

PSY172 Introduction to Psychological Health and Wellbeing -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

### General Electives - 3 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

## Part II - 72 credit points

### Core Units - 70 credit points

CHI226 Exercise Physiology I -- 4 pts  
Murdoch: S1-internal

CHI224 Sports Psychology -- 2 pts  
Murdoch: S1-internal

CHI213 Nutrition -- 2 pts  
Murdoch: S1-internal

CHI222 Acquisition of Skills and Motor Control -- 4 pts  
Murdoch: S1-internal

CHI225 Principles of Strength and Conditioning -- 4 pts  
Murdoch: S2-internal

CHI209 Biomechanics and Diagnostic Palpation Skills -- 4 pts  
Murdoch: S2-internal

CHI227 Exercise Physiology II -- 4 pts  
Murdoch: S2-internal

CHI328 Physical Assessment and Rehabilitation -- 4 pts  
Murdoch: S1-internal

CHI390 Exercise Science Practicum -- 8 pts  
Murdoch: H-internal, Y-internal

CHI208 Health, Fitness and Performance Assessment -- 4 pts  
Murdoch: S1-internal

CHI330 Advanced Skills and Motor Control -- 2 pts  
Murdoch: S2-internal

CHI331 Advanced Sports Psychology -- 2 pts  
Murdoch: S2-internal

CHI318 Exercise, Programming and Prescription -- 4 pts  
Murdoch: S2-internal

CHI453 Neuromuscular Rehabilitation -- 2 pts  
Murdoch: T2-internal

CHI519 Professional Practice Management -- 2 pts  
Murdoch: T1-internal

CHI451 Metabolic Rehabilitation -- 2 pts  
Murdoch: T3-internal

CHI469 Advanced Topics in Exercise Physiology -- 2 pts  
Murdoch: T1-internal

CHI452 Cardiopulmonary Rehabilitation -- 2 pts  
Murdoch: T1-internal

CHI470 Exercise Physiology Practicum -- 12 pts  
Murdoch: Y-internal

### Specified Electives - 2 credit points

Select from the following:

CHI446 Primary Practice VI: Pharmacology -- 2 pts  
Murdoch: T2-internal

CHI509 Public Health -- 2 pts  
Murdoch: T2-internal

### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## HONOURS IN EXERCISE PHYSIOLOGY (BSC(HONS))

### School of Chiropractic and Sports Science

Bachelor of Science with Honours (BSc(Hons)) in Exercise Physiology

Course Codes: H1218

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Not available to new admissions 2011

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair before applying, to discuss supervision of their potential research.

English competence.

### Course Structure - 24 credit points

#### Thesis - 24 credit points

CHI460 Honours Thesis in Exercise Physiology -- 24 pts

## EXTRACTIVE METALLURGY

### EXTRACTIVE METALLURGY (BEXTMET)

#### School of Chemical and Mathematical Sciences

Bachelor of Extractive Metallurgy (BExtMet)

Course Codes: B1185

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Extractive Metallurgists are expected to understand the fundamental science of mineral extraction processes and engineering aspects, and operate in an engineering environment, working in the design, commissioning and operation of metallurgical plants.

This course provides training in the core areas of extractive metallurgy -- mineral processing, pyrometallurgy, hydrometallurgy and process mineralogy. Units in process control and instrumentation, modelling and simulation, financial management and process economics, and environmental and operational management are included in this course.

As an alternative, students may elect to graduate with the three-year Bachelor of Science degree in Mineral Science after completing 72 credit points of study including nine specified Part II units from the second and third years of the Bachelor of Extractive Metallurgy. This option allows for students with interests in extractive metallurgy who wish to meet requirements of double major degrees with Chemistry, Environmental Science or other disciplines.

#### Employment Prospects:

The degree will allow graduates to work in the mineral and allied industries including oil and gas, chemical engineering, mineral processing and process consulting.

The specific job opportunities include: Metallurgist -- Extractive/General; Mineral Processing Engineer; Hydrometallurgist; Pyrometallurgist; Metallurgy/Mineral Processing -- Consulting; Metallurgy/Mineral Processing -- Research; Chemical/Process Engineer.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. Students are expected to have sufficient background in Mathematics, Chemistry and Physics. Those who do not have the background will have to complete prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Some students will complete a report outlining the experience gained, in order to complete the requirements of the degree. This work experience must be in a suitable engineering-related area and be approved by the Academic Chair.

#### Recommended Double Majors:

Chemistry (BSc); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB)

#### Excluded Double Majors:

Medical Engineering (BE); Mineral Science (BSc)

#### Professional Recognition:

Graduates are eligible for professional membership of the Australasian Institute of Mining and Metallurgy

#### Main Research Areas:

Metallurgy/Mineral Processing

### Course Structure - 96 credit points

#### Course Prerequisites

##### Chemistry Background

Students may need to complete prerequisite units depending on their background in chemistry and their final scaled score in Chemistry 3A/3B/3C/3D within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### Mathematics Background

Students may need to complete prerequisite units depending on their background in mathematics. Students who have a C grade or higher achievement in Mathematics: Specialist 3C/3D may be exempted from MAS182 Applied Mathematics and require no bridging units.

Students with a C grade or higher achievement in Mathematics 3C/3D should complete MAS182 Applied Mathematics and require no additional bridging units.

If students do not have either of the above, they should complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

##### Physics Background

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 21 credit points**

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

EXM130 Introduction to Earth Sciences -- 3 pts  
Murdoch: S1-internal, S1-external

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

OR

PEC143 Chemical Laboratory Techniques -- 3 pts  
Murdoch: S2-internal

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EXM131 Introduction to Extractive Metallurgy -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II - 72 credit points****Core Units - 68 credit points**

EXM224 Principles of Unit Operations -- 4 pts  
Murdoch: S1-internal, S1-external

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC247 Chemical Processes -- 4 pts  
Murdoch: S1-internal, S1-external

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

PEC201 Thermodynamics -- 4 pts  
Murdoch: S2-internal, S2-external

EXM256 Process Mineralogy -- 4 pts  
Murdoch: S2-internal, S2-external

PEC312 Materials Chemistry -- 4 pts  
Murdoch: S1-internal, S1-external

EXM301 Mineral Processing -- 4 pts  
Murdoch: S1-internal, S1-external

EXM302 Advanced Mineral Processing -- 4 pts  
Murdoch: S2-internal, S2-external

EXM357 Extractive Metallurgy -- 4 pts  
Murdoch: S2-internal, S2-external

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

EXM435 Metallurgical Process and Plant Design -- 6 pts  
Murdoch: S2-internal

EXM459 Financial Management, Mineral Resources and Environment -- 6 pts  
Murdoch: S1-internal

EXM436 Research Project and Thesis -- 12 pts  
Murdoch: H-internal, H-external, Y-internal

**General Electives - 4 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the

requirements of a second major or minor. Recommended double major(s): Chemistry (BSc); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB).

Recommended:

ENG361 Reactor Engineering -- 4 pts  
NA 2011

**FINANCE****FINANCE (BCOM)****Murdoch Business School**

Bachelor of Commerce (BCom) in Finance

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

Students doing the Finance major will cover a broad range of areas in corporate finance, treasury management, investment analysis and international finance. These are designed to equip them with the necessary skills to obtain employment in such areas as stockbroking, insurance and banking as well as preparing them with the skills for careers in finance in public and private sector organisations.

Many issues relevant to the corporate financial manager will be examined including capital investment decisions, cost of capital, sources of funds, dividend policy, working capital management, efficient capital markets, portfolio management, the use of options, futures, forward exchange contracts and other derivative financial instruments. Students will also receive an introduction to international finance.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Banking (BCom); Marketing (BCom)

**Excluded Minors:**

Derivative Securities

**Professional Recognition:**

Graduates are potentially eligible for associate membership of the Financial Services Institute of Australasia (FINSIA). For advice on specific requirements students should contact FINSIA directly.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 15 credit points

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N2-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Banking (BCom); Marketing (BCom).

### Part II - 48 credit points

#### Core Units - 24 credit points

BUS206 Finance Law -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS224 Corporate Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal  
Rockingham: S1-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T2A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS244 Treasury Management -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS311 Investment Analysis -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
SGP1: T2B-internal

BUS322 International Finance -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS325 Derivative Securities -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

#### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Banking (BCom); Marketing (BCom).

Recommended:

BUS204 Business and Technical Communication -- 4 pts  
Murdoch: S2-internal, SB4-internal

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts as a General Elective. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

#### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## HONOURS IN FINANCE (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Finance

Course Codes: H1202

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

**Core Units - 12 credit points**

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

BUS4019 Honours Thesis in Commerce -- 12 pts  
 Murdoch: S1-internal, S2-internal, Y-internal

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**FORENSIC BIOLOGY**

**See also:**

Biomedical Science  
 Molecular Biology

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**FORENSIC BIOLOGY AND TOXICOLOGY (BFORENSICS)**

**School of Biological Sciences and Biotechnology**

*Bachelor of Forensics (BForensics) in Forensic Biology and Toxicology*

Course Codes: B1256

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Forensic Biology and Toxicology is concerned with the application of the techniques of molecular biology (DNA profiling) and analytical chemistry (drug and alcohol analysis) to the fight against crime. The major provides in-depth study of modern molecular genetics including practical training in the techniques of genetic analysis such as the polymerase chain reaction (PCR) and the use of STRs (short tandem repeats) and SNPs (single nucleotide polymorphisms) to identify regions of DNA. The application of these techniques to the analysis of ancient DNA is also discussed. Training is provided by forensic science professionals in forensic pathology, forensic anthropology, forensic toxicology and forensic botany with an emphasis on the gathering of evidence and its presentation in court.

The course also provides hands-on experience in modern analytical techniques associated with the detection of legal and illicit drugs and homicidal poisons including gas chromatography, HPLC, NMR and mass spectrometry. The course integrates thorough training in biochemistry, including aspects of drug metabolism with case studies chosen from a wide range of forensic areas.

Opportunities are also available to participate in a professional experience program, focusing on crime scene investigation with the Western Australian Police (WAPOL).

**Employment Prospects:**

The establishment of a national DNA database and the increasing emphasis on the monitoring of blood and urine samples for residual alcohol and drugs has seen a significant increase in employment opportunities for forensic biologists and toxicologists, particularly in government Health Departments and in analytical laboratories. The techniques of genetic analysis and analytical chemistry are highly transportable and graduates can also expect to obtain employment in hospitals, research organisations such as the CSIRO and in medical research centres, agriculture departments, food processing companies or in the pharmaceutical industry. Graduates have found employment as Crime Scene Officers with Police services and as Forensic Biologists with Health Departments.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking units in Forensic Biology and Toxicology will not be required to kill any vertebrate animal but they will be required to work with fresh tissues from dead animals in certain units. Students will also be exposed to graphic images of homicidal injuries.

**Recommended Double Majors:**

Biomedical Science (BSc); Chemistry (BSc); Criminology (BCrim); Molecular Biology (BSc) [also see triple major in Forensic Biology and Toxicology, Molecular Biology and Biomedical Science, which can also incorporate a Criminology or a Cyber Forensics minor]

**Recommended Minors:**

Biomedical Science; Criminology; Cyber Forensics; Molecular Biology; Physiology and Pharmacology; Security, Terrorism and Counterterrorism

**Excluded Minors:**

Forensic Biology; Molecular Biology

**Professional Recognition:**

Students who complete the three-year double major in Forensic Biology and Toxicology and Chemistry are eligible for membership of the Royal Australian Chemical Institute (RACI).

**Main Research Areas:**

Medical, forensic and agricultural genetic analysis; wildlife forensics; ancient DNA reconstruction; crime scene contamination; molecular toxicology and drug analysis.

**Course Structure - 72 credit points**

**Course Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 15 credit points

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

PEC103 Introduction to Forensic Science -- 3 pts  
Murdoch: S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biomedical Science (BSc); Chemistry (BSc); Criminology (BCrim); Molecular Biology (BSc) [also see triple major in Forensic Biology and Toxicology, Molecular Biology and Biomedical Science, which can also incorporate a Criminology or a Cyber Forensics minor].

Also recommended:

FNCS2200 Mysteries of Forensic Science -- 3 pts equivalent  
UWA: S2X-internal

This is a unit offered by the University of Western Australia and is available on a cross-institutional basis to all students enrolled in the Forensic Biology and Toxicology major. For details please contact the Academic Chair.

### Part II - 48 credit points

#### Core Units - 32 credit points

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BIO215 Bodies of Evidence -- 4 pts  
Murdoch: S1-internal

PEC240 Chemical Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

BMS202 Forensic Anatomy and Anthropology -- 4 pts  
Murdoch: S1-internal

PEC340 Instrumental Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

BIO313 Forensic DNA Analysis -- 4 pts  
Murdoch: S1-internal

BIO314 Forensic Toxicology -- 4 pts  
Murdoch: S2-internal

#### General Electives - 16 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biomedical Science (BSc); Chemistry (BSc); Criminology (BCrim); Molecular Biology (BSc) [also see triple major in Forensic Biology and Toxicology, Molecular Biology and Biomedical Science, which can also incorporate a Criminology or a Cyber Forensics minor].

## FORENSIC BIOLOGY AND TOXICOLOGY (BFORENSICS) + MOLECULAR BIOLOGY (BSC) + BIOMEDICAL SCIENCE (BSC)

### School of Biological Sciences and Biotechnology

Bachelor of Forensics (BForensics) in Forensic Biology and Toxicology + Bachelor of Science (BSc) in Biomedical Science and Molecular Biology

Course Codes: B1257

Duration: 4 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

This double degree, which can also accommodate either a Criminology minor or a Cyber Forensics minor, combines the Forensic Biology and Toxicology, Molecular Biology and Biomedical Science majors to generate a cognate and broad course designed to enhance the employment prospects of graduates seeking careers in forensics, molecular genetics and/or in medical research. It is designed to produce forensic professionals with well-honed skills in DNA-profiling/ancient DNA analysis who are competent in the forensic analytical techniques relevant to drug and toxin detection and quantification in fluids, tissues and contaminated products. Students are also introduced to aspects of forensic pathology, forensic anthropology and forensic botany/palynology with an emphasis on the collection of evidence and its presentation in court.

The forensic content is complemented by thorough training in the related areas of molecular genetics, biochemistry, medical microbiology/immunology, biomedical physiology and the recognition, aetiology and mechanisms of disease. Graduates will be awarded a BForensics (Forensic Biology and Toxicology) and a BSc (Molecular Biology and Biomedical Science.)

Opportunities are available in the course to participate in a professional experience program, focusing on crime scene investigation with the Western Australian Police (WAPOL).

For more information see the individual entries for the Forensic Biology and Toxicology, Molecular Biology and Biomedical Science majors in this section of the Handbook.

#### Employment Prospects:

The establishment of a national DNA database and the increasing emphasis on the monitoring of blood and urine samples for residual alcohol and drugs has seen a significant increase in employment opportunities for forensic biologists and toxicologists, particularly in government Health Departments and in analytical laboratories.

Because the techniques of genetic analysis and analytical chemistry are highly transportable, graduates can also expect to gain

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

employment in research organisations such as the CSIRO, in agriculture departments and in food processing companies. Graduates have also gained employment as Crime Scene Officers with Police Services; as Forensic Biologists in Health Departments and as Graduate Research Assistants in hospitals and medical research centres.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

#### **Special Requirements:**

Students will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units. Students will also be exposed to graphic images of homicidal injuries.

#### **Recommended Minors:**

Criminology; Cyber Forensics; Security, Terrorism and Counterterrorism

#### **Excluded Minors:**

Biomedical Science; Forensic Biology; Molecular Biology

#### **Main Research Areas:**

Applications of molecular biology to the understanding and treatment of disease; Medical, forensic and agricultural genetic analysis; wildlife forensics; ancient DNA reconstruction; crime scene contamination; molecular toxicology and drug analysis.

### **Course Structure - 96 credit points**

#### **Course Prerequisites**

##### **Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or in Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 18 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

OR

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC103 Introduction to Forensic Science -- 3 pts  
Murdoch: S2-internal

#### **General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective. Students are advised to consider using these points to meet the requirements of a minor. Recommended:

FNSC2200 Mysteries of Forensic Science -- 3 pts equivalent  
UWA: S2X-internal

This is a unit offered by the University of Western Australia and is available on a cross-institutional basis to all students enrolled in the Forensic Biology and Toxicology major. For details please contact the Academic Chair.

#### **Part II - 72 credit points**

##### **Core Units - 64 credit points**

BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internal

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

BMS203 Comparative and Human Microbiology -- 4 pts  
Murdoch: S2-internal

PEC240 Chemical Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

BIO215 Bodies of Evidence -- 4 pts  
Murdoch: S1-internal

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

OR

BMS265 Medical Immunology and Molecular Genetics -- 4 pts  
Murdoch: S2-internal

BMS202 Forensic Anatomy and Anthropology - 4pts  
Murdoch: S1-internal

BIO316 Molecular Genetics -- 4 pts  
Murdoch: S1-internal

BIO313 Forensic DNA Analysis -- 4 pts  
Murdoch: S1-internal

BMS360 Mechanisms of Disease -- 4 pts  
Murdoch: S1-internal

BMS368 Advances in Medical Science -- 4 pts  
Murdoch: S2-internal

BIO314 Forensic Toxicology -- 4 pts  
Murdoch: S2-internal

PEC340 Instrumental Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

BIO372 Genetics and Evolution -- 4 pts  
Murdoch: S2-internal

BIO371 Biochemistry II -- 4 pts  
Murdoch: S2-internal

OR

BIO364 Microbiology II -- 4 pts  
Murdoch: S1-internal

### General Electives - 8 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a minor.

## HONOURS IN FORENSIC BIOLOGY AND TOXICOLOGY (BFORENSICS(HONS))

### School of Biological Sciences and Biotechnology

Bachelor of Forensics with Honours (BForensics(Hons)) in Forensic Biology and Toxicology

Course Codes: H1192

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in enrolling in Honours are advised to contact the Honours Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Thesis - 24 credit points

Full-time students will be enrolled in:

BIO4049-12 Honours Thesis in Forensic Biology and Toxicology -- 12 pts  
NA 2011

Plus a further enrolment in:

BIO4049-12 Honours Thesis in Forensic Biology and Toxicology -- 12 pts  
NA 2011

## GAMES ART AND DESIGN

### GAMES ART AND DESIGN (BDMEDIA)

#### School of Media Communication and Culture

Bachelor of Digital Media (BDMedia) in Games Art and Design

Course Codes: B1273

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Currently Australians spend more money on video games than film and television industries combined. The Bachelor of Digital Media in Games Art and Design is designed to help students take advantage of this growing global market. Taught by international games production experts, the course will provide students with three parts to a career in Games Art and Design: Production Art for 3D modelling, animation, and texture painting; Concept Art for 2D illustration and character design; and Game Designers, for level design and construction and high-level game development.

#### Employment Prospects:

Concept Artist, Technical Artist, Animator, Character Modeller, Game Designer, Environment Modeller, Production Artist, Matte and Texture Painter, Game-Play Tester, Lighting Artist, Level Designer.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Recommended Double Majors:

Games Technology (BSc) [Recommended Double Degree];  
Interactive Digital Design (BDMedia) [Students wishing to undertake double majors should contact the Academic Chair]

#### Recommended Minors:

Multimedia Production

#### Excluded Minors:

Games Design

#### Main Research Areas:

Games Art and Design, Games Theory, Graphic Design.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 12 credit points

MCC172 Drawing -- 3 pts  
Murdoch: S1-internal

MCC154 Introduction to Games Art and Design -- 3 pts  
Murdoch: S2-internal

MCC118 Visual Communication -- 3 pts  
Murdoch: S2-internal

MCC164 3D Modelling -- 3 pts  
Murdoch: S1-internal

OR

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Note: Students wishing to take the Games Design list in Part II should enrol in ICT102 Introduction to Computer Science -- 3 pts.

### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Games Technology (BSc) [Recommended Double Degree]; Interactive Digital Design (BDMedia) [Students wishing to undertake double majors should contact the Academic Chair].

### Part II - 48 credit points

#### Core Units - 12 credit points

MCC362 Games Project -- 4 pts  
Murdoch: S2-internal

MCC232 Video Game Studies -- 4 pts  
Murdoch: S2-internal

MCC214 Sound -- 4 pts  
Murdoch: S2-internal (quota of 45 places)

OR

MCC218 Web Games Design and Production -- 4 pts  
Murdoch: S2-internal

#### Specified Electives - 12 credit points

Select from one of the following lists:

##### Production Artist

MCC241 Animation -- 4 pts  
Murdoch: S1-internal

MCC261 Games Art -- 4 pts  
Murdoch: S1-internal

MCC265 3D Animation -- 4 pts  
Murdoch: S2-internal

##### Concept Artist

MCC273 Drawing Studio -- 4 pts  
NA 2011

MCC241 Animation -- 4 pts  
Murdoch: S1-internal

MCC261 Games Art -- 4 pts  
Murdoch: S1-internal

##### Games Design

ICT241 Games Software Design -- 4 pts  
Murdoch: S1-internal, S1-external

MCC375 Games Design Studio -- 4 pts  
NA 2011

MCC236 Media Audiences and the Public -- 4 pts  
Murdoch: S1-internal, S1-external

OR

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double

major(s): Games Technology (BSc) [Recommended Double Degree]; Interactive Digital Design (BDMedia) [Students wishing to undertake double majors should contact the Academic Chair].

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## HONOURS IN GAMES ART AND DESIGN (BDMEDIA(HONS))

### School of Media Communication and Culture

Bachelor of Digital Media with Honours (BDMedia(Hons)) in Games Art and Design

Course Codes: H1219

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practices of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts  
Murdoch: S1-internal, S2-internal

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## GAMES SOFTWARE DESIGN AND PRODUCTION

### GAMES SOFTWARE DESIGN AND PRODUCTION (BSC)

#### School of Information Technology

Bachelor of Science (BSc) in Games Software Design and Production

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Games Software Design and Production major is designed to provide students with a thorough understanding and experience of the theory of games software design and the processes involved in the creation and production of electronic games. The required units cover 3D graphics and animations, games software design, development and production, artificial intelligence and human-computer interaction, as well as practical experience in the games design process.

**Employment Prospects:**

Excellent career opportunities exist in this rapidly expanding industry both locally, nationally and internationally.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be some reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Recommended Double Majors:**

Computer Science (BSc); Internet Software Development (BSc); Internetworking and Security (BSc)

**Professional Recognition:**

The Australian Computer Society (ACS) will be the accrediting body. Accreditation will take place as soon as possible after the major becomes available.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

ICT101 Introduction to 3D Graphics and Animation -- 3 pts  
Murdoch: S2-internal, S2-external

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internet Software Development (BSc); Internetworking and Security (BSc).

**Part II - 48 credit points**

**Core Units - 20 credit points**

ICT241 Games Software Design -- 4 pts  
Murdoch: S1-internal, S1-external

ICT245 Games Software Production -- 4 pts  
Murdoch: S2-internal, S2-external

ICT219 Intelligent Systems -- 4 pts  
Murdoch: S2-internal, S2-external

ICT313 Games Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT325 Human-Computer Interaction -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Elective - 4 credit points**

Select from the following:

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

ICT239 Software Development Frameworks -- 4 pts  
Murdoch: S1-internal, S1-external

MCC232 Video Game Studies -- 4 pts  
Murdoch: S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internet Software Development (BSc); Internetworking and Security (BSc).

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**HONOURS IN GAMES SOFTWARE DESIGN AND PRODUCTION (BSC(HONS))**

**School of Information Technology**

Bachelor of Science with Honours (BSc(Hons)) in Games Software Design and Production

Course Codes: H1212

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of the Games Software Design and Production major at a satisfactory level, with an aptitude for honours studies.

Students interested in Honours enrolment are advised to contact the Academic Chair before application to discuss supervision of their potential research.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

**Core Units - 4 credit points**

ICT477 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

**Elective Units - 8 credit points**

Select from the following:

ICT4021 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

ICT4022 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500/600-level) -- 4 pts

Students may also be able to take ICT4051 Advanced Honours Topic in Information Systems -- 4 pts or ICT4052 Advanced Honours Topic in Information Systems -- 4 pts with the approval of the Honours Subcommittee Chair.

**Thesis - 12 credit points**

ICT4029 Honours Thesis in Computer Science -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**GAMES TECHNOLOGY****GAMES TECHNOLOGY (BSc)****School of Information Technology**

Bachelor of Science (BSc) in Games Technology

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This major is designed to provide students with a thorough understanding of the theory, design and programming techniques required for producing software games. Required units cover general introductory programming, graphics, artificial intelligence, games theory, virtual reality, multi-user games programming and advanced games production using games specific software tools.

**Employment Prospects:**

Excellent career opportunities exist in this rapidly expanding industry, both locally and internationally. Graduates will also find employment in many areas of the Information Technology industry.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Computer Science (BSc); Internet Software Development (BSc)

**Recommended Minors:**

Computer Science; Computer Technology; Internet and Multimedia Computing; Internet Computing; Multimedia Production; New Media; Software Development

**Professional Recognition:**

Graduates of this degree are eligible for membership of the Australian Computer Society at the Professional Level.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 18 credit points**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT106 Fundamentals of Computer Systems -- 3 pts  
Murdoch: S2-internal, S2-external

ICT101 Introduction to 3D Graphics and Animation -- 3 pts  
Murdoch: S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS167 Computational Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internet Software Development (BSc).

**Part II - 48 credit points****Core Units - 32 credit points**

ICT209 Data Structures and Abstractions -- 4 pts  
Murdoch: S1-internal, S1-external

ICT215 Computer Graphics Principles and Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT219 Intelligent Systems -- 4 pts  
Murdoch: S2-internal, S2-external

ICT207 Games Design and Programming -- 4 pts  
Murdoch: S2-internal, S2-external

ICT309 Games Development -- 4 pts  
Murdoch: S1-internal, S1-external

ICT311 Advanced Games Design and Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT312 Virtual Environments for Games and Simulations -- 4 pts  
Murdoch: S2-internal, S2-external

ICT313 Games Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Note: ICT333 Information Technology Project -- 4 pts may be substituted for ICT313 Games Technology Project -- 4 pts for students taking a double major.

**General Electives - 16 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Internet Software Development (BSc).

## HONOURS IN GAMES TECHNOLOGY (BSC(HONS))

### School of Information Technology

Bachelor of Science with Honours (BSc(Hons)) in Games Technology

Course Codes: H1213

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 4 credit points

ICT477 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

##### Elective Units - 8 credit points

Select from the following:

ICT4021 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

ICT4022 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level)  
-- 4 pts

Students may also be able to take one of the following with the approval of the Honours Subcommittee Chair:

ICT4051 Advanced Honours Topic in Information Systems -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

OR

ICT4052 Advanced Honours Topic in Information Systems -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

ICT4029 Honours Thesis in Computer Science -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## GENDER AND CULTURAL STUDIES

### GENDER AND CULTURAL STUDIES (BA)

#### School of Media Communication and Culture

Bachelor of Arts (BA) in Gender and Cultural Studies

Course Codes: B1233

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This major provides students with an understanding of gender and cultural processes, from the level of everyday life and popular culture to the global movement of people, information and ideas. It draws on traditions in gender studies and cultural studies, making strategic use of a number of academic disciplines to address problems arising from lived experience. What is the meaning of contemporary media culture? How do gender categories shape our lives? Where are the opportunities today for creating new cultural futures?

The major develops a strong base of skills in critical thinking, research, and writing, which can be employed across a wide range of applications. It also introduces a number of more specific areas where an ability to think about gender and culture are employed, offering pathways into cultural planning, women's services, political activism, cultural journalism, teaching and creative industries.

#### Employment Prospects:

Graduates find employment in a wide range of fields, from the cultural and media industries to public and community services and organisations. Combining with other majors and minors can produce added specialisations.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Recommended Double Majors:

Australian Indigenous Studies (BA); Communication and Media Studies (BCommun); Journalism (BCommun)

#### Recommended Minors:

Anthropology; Australian Indigenous Studies; Media Studies; New Media; Sociology; Women's Studies

#### Excluded Minors:

Cultural Literacies

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 6 credit points

MCC102 Introduction to Gender and Cultural Studies -- 3 pts  
Murdoch: S1-internal, S1-external

MCC103 Institutions, Culture and Power -- 3 pts  
Murdoch: S2-internal, S2-external

##### General Electives - 15 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Australian Indigenous Studies (BA); Communication and Media Studies (BCommun); Journalism (BCommun).



**Part II - 48 credit points****Core Units - 12 credit points**

MCC235 Popular Culture and Everyday Life -- 4 pts  
Murdoch: S1-internal, S1-external

MCC211 Gender, Globalisation and Cultural Politics -- 4 pts  
Murdoch: S2-internal, S2-external

MCC322 Reading Image and Text -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 12 credit points**

Select from the following:

MCC321 Children and the Media -- 4 pts  
Murdoch: S2-internal

EGL298 Representation and Gender -- 4 pts  
Murdoch: S2-internal, S2-external

MCC356 Sexuality, Bodies and Culture -- 4 pts  
Murdoch: S2-internal, S2-external

MCC219 Contemporary Cultures and the Small Screen -- 4 pts  
Murdoch: S1-internal, S1-external

AIS228 Our Mob: Indigenous Families -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AST258 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

Students with good academic records can apply to the Academic Chair to take MCC325 Professional Placement in Media Communication and Culture -- 4 pts [Murdoch: S1-internal, S2-internal, SUM-internal, W-internal] in place of one of the above Specified Electives.

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Australian Indigenous Studies (BA); Communication and Media Studies (BCommun); Journalism (BCommun).

**HONOURS IN GENDER AND CULTURAL STUDIES (BA(HONS))****School of Media Communication and Culture**

Bachelor of Arts with Honours (BA(Hons)) in Gender and Cultural Studies

Course Codes: H1190

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts

Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts

Murdoch: S1-internal, S2-internal

**GENERAL ARTS****GENERAL ARTS (BA)****School of Social Sciences and Humanities**

Bachelor of Arts (BA) in General Arts

Course Codes: B1133

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This major has been specifically designed to offer maximum flexibility to students who are entering higher education and wish to experience several disciplines. It aims to provide students with a general education through an introduction to the arts and intellectual study. The major requires students to spread their studies over a number of discipline areas, by completing requirements of at least three of the published minors offered by the University, with at least two of these minors in the arts, humanities or social sciences disciplines.

**Employment Prospects:**

Many graduates find that they need a broad analytical training, rather than extensive specialisation in one area, to maximise the number of career paths they can follow.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Languages and Writing Skills:**

General Arts students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - up to 21 credit points

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

Plus select three minors from those offered by the University and excluding those minors subject to enrolment restrictions. The selection of minors should include at least two minors from the arts, social sciences or humanities disciplines. Complete the Part I units required for each of those minors. For further details see the Minors section in this Handbook.

#### General Electives - 0 to 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

### Part II - 48 credit points

#### Core Units - at least 36 credit points

Complete the Part II units required for each of the three selected minors. For further details see the Minors section in this Handbook.

#### General Electives - up to 12 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

## HISTORY

### HISTORY (BA)

#### School of Social Sciences and Humanities

Bachelor of Arts (BA) in History

Course Codes: B1085

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The History major offers three broad areas of historical inquiry, in which students are required to specialise:

- Cultural History -- with an interdisciplinary and cross-cultural focus on the histories of Australia, Europe, South-East Asia and the United States
- Regional History -- with a focus on the history of modern nation states
- Thematic History -- with a focus on important international themes in history.

#### Employment Prospects:

The study of history promotes generic and applied skills (literary, analytical and communicatory) appropriate to a broad range of careers in both public and private sectors of the economy.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally;

exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Recommended Double Majors:

Asian Studies (BA); Politics and International Studies (BA); Security, Terrorism and Counterterrorism Studies (BA); Sociology (BA)

#### Recommended Minors:

Philosophy; Politics; Security, Terrorism and Counterterrorism; Sociology; Theology

#### Excluded Minors:

Modern Social History

#### Main Research Areas:

American, Asian, Australian, British, French, Irish and Pacific history.

#### Languages and Writing Skills:

History students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 9 credit points

HIS181 Introduction to History -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

HIS182 Turning Points in History -- 3 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

#### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Asian Studies (BA); Politics and International Studies (BA); Security, Terrorism and Counterterrorism Studies (BA); Sociology (BA).

### Part II - 48 credit points

#### Core Units - 24 credit points

Select from the following, with at least two units from at least two of the areas. Units will normally be available at least once every two years.

#### Cultural History

HIS249 Hollywood and History -- 4 pts  
Murdoch: S2-internal, S2-external

HIS286 Witchcraft: Historical Images of Women -- 4 pts  
NA 2011

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

HIS223 American Indian History -- 4 pts  
Murdoch: S1-internal, S1-external

THE274 Special Topics in Theology: Life and Death in the Ancient World -- 4 pts  
Murdoch: S1-internal, S1-external

SSH203 Special Topics in History: The Georgian House in Second Life -- 4 pts  
Murdoch: S1-internal (quota of 30 places)

### **Regional History**

AST256 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

HIS224 Rebirth of Europe 1945-2001 -- 4 pts  
Murdoch: S1-internal, S1-external

AST276 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

HIS220 Britannia to the Beatles: Power, Sex and Identity in Modern Britain -- 4 pts  
NA 2011

AST331 Rise of Asia and Modern History -- 4 pts  
NA 2011

HIS275 Contested Country: Twentieth Century Australian History -- 4 pts  
NA 2011

HIS210 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

JPN214 Postwar Japan -- 4 pts  
NA 2011

HIS293 Europe Under the Dictators -- 4 pts  
NA 2011

### **Thematic History**

HIS203 After Power: The Fall of Regimes and Rulers -- 4 pts  
Murdoch: S2-internal, S2-external

HIS260 Crime and Punishment Since 1700 -- 4 pts  
NA 2011

HIS285 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS234 Historical Mysteries of the Modern World -- 4 pts  
Murdoch: S2-internal, S2-external

HIS230 Spies, Saboteurs and Secret Agents -- 4 pts  
NA 2011

HIS287 Special Topics in History -- 4 pts  
Topic not currently offered

HIS225 European Union -- 4 pts  
Murdoch: S1-internal, S1-external

HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

HIS283 Earth, Fire, Wind and Water: Australian Environmental History -- 4 pts  
Murdoch: S1-internal, S1-external

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double

major(s): Asian Studies (BA); Politics and International Studies (BA); Security, Terrorism and Counterterrorism Studies (BA); Sociology (BA).

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## **HONOURS IN HISTORY (BA(HONS))**

### **School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in History

Course Codes: H1092

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying, to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 8 credit points**

HIS463 History Honours Seminar I -- 4 pts  
Murdoch: S1-internal

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

##### **Elective Units - 4 credit points**

Select from the following:

HIS4011 Honours Topic in History -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

##### **Thesis - 12 credit points**

HIS4019 Honours Thesis in History -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## **HOSPITALITY AND TOURISM MANAGEMENT**

#### **See also:**

Commerce  
Tourism

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## **HOSPITALITY AND TOURISM MANAGEMENT (BCOM)**

### **Murdoch Business School**

Bachelor of Commerce (BCom) in Hospitality and Tourism Management

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

This course prepares students for employment in the tourism industry, particularly with front line businesses such as hotels, resorts and transportation companies as well as in the wider context of tourism and hospitality, including non-government organisations (NGOs) and government agencies. It provides a detailed understanding of travel and tourism with special attention to management of tourism-related businesses and the strategic management of destinations. Hospitality and Tourism Management may be taken as a Bachelor of Commerce or as a Bachelor of Tourism (see separate entry for Hospitality and Tourism Management (BTour)), enabling students to prepare more specifically for their chosen occupations within hospitality and tourism.

**Employment Prospects:**

Tourism industry such as tour operators, accommodation outlets and resorts; travel wholesalers and retailers, NGOs and government agencies.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Management (BCom); Marketing (BCom)

**Excluded Minors:**

Sustainable Tourism; Tourism

**Main Research Areas:**

Management, tourism.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Management (BCom); Marketing (BCom).

**Part II - 48 credit points**

**Core Units - 24 credit points**

BUS207 Tourism and Hospitality Law -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal  
SGP1: T2B-internal

TOU303 Tourism Management -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS317 Strategic Management -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS320 Advanced Human Resource Perspectives -- 4 pts  
Murdoch: S1-internal, SB4-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T2B-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Management (BCom); Marketing (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the

course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## **HOSPITALITY AND TOURISM MANAGEMENT (BTOUR)**

### **School of Social Sciences and Humanities**

*Bachelor of Tourism (BTour) in Hospitality and Tourism Management*

Course Codes: B1157

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Hospitality and Tourism Management prepares students for employment in the tourism industry, particularly with front line businesses such as hotels, resorts and transportation companies as well as in the wider context of tourism and hospitality, including non-government organisations (NGOs) and government agencies. It provides a detailed understanding of travel and tourism with special attention to management of tourism related businesses and the strategic management of destinations. Hospitality and Tourism Management may be taken as a Bachelor of Tourism or as a Bachelor of Commerce (see separate entry for Hospitality and Tourism Management (BCom) enabling students to prepare more specifically for their chosen occupations within hospitality and tourism.

#### **Employment Prospects:**

Tourism industry such as tour operators, accommodation outlets and resorts; travel wholesalers and retailers. Local, state and federal governments.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Recommended Minors:**

Community Development; Conservation Biology; Sociology; Sustainable Development

#### **Excluded Minors:**

Sustainable Tourism; Tourism

#### **Languages and Writing Skills:**

Hospitality and Tourism Management students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 12 credit points**

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

TOU102 Introduction to Travel and Tourism -- 3 pts  
Murdoch: S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

#### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

### **Part II - 48 credit points**

#### **Core Units - 20 credit points**

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

BUS207 Tourism and Hospitality Law -- 4 pts  
Murdoch: S1-internal, S1-external

TOU301 Tourism Policy and Planning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

TOU303 Tourism Management -- 4 pts  
Murdoch: S2-internal

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

#### **Specified Electives - 4 credit points**

Select from the following:

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

BUS215 Business Feasibility and Management Concepts -- 4 pts  
Murdoch: S1-internal

BUS323 International Management -- 4 pts  
Murdoch: S1-internal

TOU212 Festivals and Events -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal, S1-external

TOU304 Events and Festivals Management -- 4 pts  
NA 2011

TOU302 Tourism Project -- 4 pts  
Murdoch: S2-internal, S2-external

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the

requirements of a second major or minor.

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## HONOURS IN HOSPITALITY AND TOURISM MANAGEMENT (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Hospitality and Tourism Management

Course Codes: H1203

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 12 credit points

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

TOU4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## HONOURS IN HOSPITALITY AND TOURISM MANAGEMENT (BTOUR(HONS))

### School of Social Sciences and Humanities

Bachelor of Tourism with Honours (BTour(Hons)) in Hospitality and Tourism Management

Course Codes: H1222

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair to discuss supervision of their potential research before applying to the University.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 4 credit points

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

##### Elective Units - 8 credit points

Select from the following:

TOU4011 Honours Topic in Tourism -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

TOU4012 Honours Topic in Tourism -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

#### Thesis - 12 credit points

TOU4019 Honours Thesis in Tourism -- 12 pts  
Murdoch: S1-internal, S2-internal

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## HUMAN RESOURCE MANAGEMENT

### HUMAN RESOURCE MANAGEMENT (BCOM)

#### Murdoch Business School

Bachelor of Commerce (BCom) in Human Resource Management

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external) (all but one unit)

Human Resource Management will provide a strong understanding of the areas of the professional human resource management including the strategic role, employment policies, legal and environmental regulations, interviewing and hiring, rewards and recognition, pay and benefits, diversity, job assessment, health and safety, ethics, negotiating and bargaining, and communications, motivation, organisational design, and the future direction of human resources.

Graduates will have a strong standing for entry into human resource management arena and associated commercial areas within industry.

#### Employment Prospects:

The prospects for employment in HRM are good as every organisation, public or private undertakes HRM functions. The HR

industry, as a whole does not require registration or specific qualification, thus increasing demand for qualified candidates.

**Admission Requirements (Onshore):**

As per normal undergraduate admission.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Management (BCom); Marketing (BCom)

**Excluded Minors:**

Employment Relations; Human Resource Management; Management

**Professional Recognition:**

This course is accredited by the Australian Human Resource Institute (AHRI) and provides students eligibility for professional standing upon graduation.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
KDUPJ: S2K-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
KDUPJ: S2K-internal

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
KDUPJ: S2K-internal

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
KDUPJ: S1K-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Management (BCom); Marketing (BCom).

**Part II - 48 credit points**

**Core Units - 24 credit points**

BUS222 Employee Relations -- 3 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

BUS228 Workplace Law -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal, SB4-internal  
SGP1: T1B-internal, T3B-internal

BUS320 Advanced Human Resource Perspectives -- 4 pts  
Murdoch: S1-internal, SB4-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Management (BCom); Marketing (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract

will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

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## HONOURS IN HUMAN RESOURCE MANAGEMENT (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Human Resource Management

Course Codes: H1204

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 12 credit points

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## INFORMATION SYSTEMS

### APPLIED INFORMATION SYSTEMS (BAPPINFOSYS)

#### School of Information Technology

Bachelor of Applied Information Systems (BAppInfoSys)

Course Codes: B1297

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Information systems is the study of information generation, communication, storage, and application in the context of organised human activity. The increasing penetration of information technology into everyday organisational activity means

that professionals in many areas, from management to engineering, increasingly need an understanding of information systems. The Bachelor of Applied Information Systems course prepares students to enter any industry sector to design, build and maintain information systems. This course concludes with a full semester of structured workplace learning.

#### Employment Prospects:

Graduates typically find employment as business analysts. Graduates combining Applied Information Systems with another major will experience enhanced employment prospects in that area.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Excluded Double Majors:

Business Information Systems (BSc)

#### Professional Recognition:

Eligible for membership of the Australian Computer Society at the Professional level.

#### Structured Workplace Learning:

Students are advised that the Structured Workplace Learning unit (WKP356 Structured Workplace Learning Placement: Information Technology) may not be available for part-time study.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 12 credit points

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal  
Rockingham: S1-internal

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

##### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

#### Part II - 48 credit points

##### Core Units - 36 credit points

ICT208 Business Intelligence Tools and Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



ICT256 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT265 Knowledge and Information Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT353 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

Plus one of the following two units:

WKP356 Structured Workplace Learning Placement -- Information Technology -- 12 pts  
Murdoch: S1-internal, S2-internal

ICT333 Information Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Plus two of the following three units:

ICT325 Human-Computer Interaction -- 4 pts  
Murdoch: S1-internal, S1-external

ICT357 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

WKP3561 Structured Workplace Learning Placement -- Information Technology -- 4 pts  
Murdoch: W-internal

### **Specified Electives - 0 to 4 credit points**

Students who enter this course through an articulation arrangement and have received one year of credit on the basis of their previous studies must take the following:

TLC222 Learning and Communicating in Business -- 4 pts  
Murdoch: S1-internal  
Rockingham: S1-external

### **General Electives - 8 to 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

### **Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\*Those who fail 50 per cent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 per cent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\*Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## **INFORMATION TECHNOLOGY MANAGEMENT**

### **INFORMATION TECHNOLOGY MANAGEMENT (BITMAN)**

#### **School of Information Technology**

Bachelor of Information Technology Management (BITMan)

Course Codes: B1292

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

Information Technology is integral to all modern organisations for their success through the strategic implementation of both existing and emergent technologies. This course seeks to prepare graduates with a primary skill set in Information Technology, but who also have exposure to the business disciplines (including management, law and organisational theory) allowing them to exploit the convergence of business and IT. The course also prepares students to enter the workplace with the requirement of a full semester of structured workplace learning.

#### **Employment Prospects:**

Systems or business analysts, IT consultants, and database administrators; any position that requires an understanding of both IT and Business.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

Internet access is required for all students.

#### **Recommended Double Majors:**

Business Information Systems (BSc); Cyber Forensics, Information Security and Management (BSc); Internet Software Development (BSc); Management (BCom)

#### **Professional Recognition:**

Eligible for membership of the Australian Computer Society at the Professional Level.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 21 credit points**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Rockingham: S2-internal

MAS180 Introduction to Statistics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS165 Principles of Commercial Law -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

BUS145 Principles of Management -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

## Part II - 48 credit points

### Core Units - 48 credit points

ICT208 Business Intelligence Tools and Techniques -- 4 pts

Murdoch: S1-internal, S1-external

ICT231 Systems Analysis and Design -- 4 pts

Murdoch: S1-internal, S1-external, S2-external

ICT218 Databases -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS223 Organisational Theory and Behaviour -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

SGP1: T1B-internal, T2B-internal, T3B-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

SGP1: T1B-internal, T2B-internal, T3B-internal

ICT357 Information Security Management -- 4 pts

Murdoch: S2-internal, S2-external

ICT353 Advanced Business Analysis and Design -- 4 pts

Murdoch: S2-internal, S2-external

BUS317 Strategic Management -- 4 pts

Murdoch: S2-internal

SGP1: T1B-internal, T3B-internal

ICT333 Information Technology Project -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students can enrol in either

WKP356 Structured Workplace Learning Placement -- Information Technology -- 12 pts

Murdoch: S1-internal, S2-internal

OR three of the following:

BUS323 International Management -- 4 pts

Murdoch: S1-internal

SGP1: T2B-internal

BUS378 Knowledge and Organisational Learning -- 4 pts

Murdoch: S1-internal

SGP1: T1B-internal, T3B-internal

ICT248 Cyber Forensics -- 4 pts

Murdoch: S1-internal, S1-external

ICT256 Knowledge Management Techniques -- 4 pts

Murdoch: S1-internal, S1-external

ICT349 Forensic Data Analysis -- 4 pts

Murdoch: S1-internal, S1-external

WKP3561 Structured Workplace Learning Placement -- Information Technology -- 4 pts

Murdoch: W-internal

## INTERACTIVE DIGITAL DESIGN

### INTERACTIVE DIGITAL DESIGN (BDMEDIA)

#### School of Media Communication and Culture

Bachelor of Digital Media (BDMedia) in Interactive Digital Design

Course Codes: B1273

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The Interactive Digital Design major is an art and design specific course, combining elements of web design and development, 3D modelling, 2D and 3D animation, motion graphics and interaction design. It employs a range of different delivery mechanisms, from the web, DVD, mobile technologies and installation multimedia. Interactive Digital Design provides students with cutting-edge production skills, as well as a sophisticated sense of the cultural history and creative potential of this exciting new production field.

#### Employment Prospects:

Graduates are particularly suited for careers in all aspects of the multimedia industry (web design and or development, graphic design, content development and project management) and, with a suitable combination of electives, for careers in the media and/or information technology fields, as well as Post Production Special Effects, Games Production, Education, E- Business, Marketing, Public Relations and Software Development.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

#### Recommended Double Majors:

Screen Production (BMedia)

#### Recommended Minors:

Advanced Networking; Creative Arts; Digital Marketing; Indigenous Sustainability; Internet and Multimedia Computing; Internet Computing; Management; Marketing; New Media; Organisational Psychology; Public Relations; Radio; Software Development; Sustainable Development; Sustainable Tourism; Technology and Innovation Policy; Urban and Regional Sustainability

#### Excluded Minors:

Games Design; Multimedia Production

#### Main Research Areas:

Interface design and interactivity, visual communication, 2D and 3D animation, multimedia design, interaction design.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 6 credit points

MCC129 Introduction to Digital Design -- 3 pts

Murdoch: S1-internal

MCC118 Visual Communication -- 3 pts

Murdoch: S2-internal

##### Specified Electives - 3 credit points

Select from the following:

MCC124 Photography and Digital Imaging -- 3 pts  
Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

MCC172 Drawing -- 3 pts  
Murdoch: S1-internal

MCC164 3D Modelling -- 3 pts  
Murdoch: S1-internal

### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Screen Production (BMedia).

## **Part II - 48 credit points**

### **Core Units - 24 credit points**

MCC263 Web Design -- 4 pts  
Murdoch: S1-internal

MCC218 Web Games Design and Production -- 4 pts  
Murdoch: S2-internal

MCC241 Animation -- 4 pts  
Murdoch: S1-internal

MCC338 Multimedia Client Project -- 4 pts  
Murdoch: S1-internal

MCC339 Multimedia Studio -- 4 pts  
Murdoch: S2-internal

And either

MCC265 3D Animation -- 4 pts  
Murdoch: S2-internal

OR

MCC232 Video Game Studies -- 4 pts  
Murdoch: S2-internal

OR

MCC273 Drawing Studio -- 4 pts  
NA 2011

Students who have attained a high standard in the core units may enrol in MCC325 Professional Placement in Media Communication and Culture -- 4 pts, subject to permission of the Academic Chair.

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Screen Production (BMedia).

## **HONOURS IN INTERACTIVE DIGITAL DESIGN (BDMEDIA(HONS))**

### **School of Media Communication and Culture**

*Bachelor of Digital Media with Honours (BDMedia(Hons)) in Interactive Digital Design*

Course Codes: H1220

Duration: 1 year full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practices of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

## **Course Structure - 24 credit points**

### **Coursework - 12 credit points**

#### **Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts

Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

### **Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts

Murdoch: S1-internal, S2-internal

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## **INTERNATIONAL AID AND DEVELOPMENT**

### **See also:**

Sustainable Development

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## **INTERNATIONAL AID AND DEVELOPMENT (BA)**

### **School of Sustainability**

*Bachelor of Arts (BA) in International Aid and Development*

Course Codes: B1287

Duration: 3 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The degree explores the challenges and the changing approaches to international aid by government, multilateral organisations and non-government aid agencies. It focuses on key issues such as poverty reduction, governance, capacity building, and participatory approaches. It will equip students to be effective development practitioners in international and cross-cultural settings. The emphasis is on community-level engagement and provides tools and skills for participatory development practice, project management and a critical understanding of international development programs and approaches.

**Employment Prospects:**

Non-government agencies; Department of Foreign Affairs and Trade; AusAid; Development Consultancies

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Politics and International Studies (BA); Sustainable Development (BA, BSc)

**Main Research Areas:**

Asian Studies; Development Studies; Community Development; Indigenous Development

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

POL161 Asia-Pacific in the Global System -- 3 pts  
Murdoch: S1-internal, S1-external

COD125 Introduction to Community Development -- 3 pts  
Murdoch: S1-internal, S1-external

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 0 to 3 credit points**

Students intending to take ENV210 Environmental Technology for Sustainable Development will need to take its prerequisite:

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

OR

ENV104 Australian Environmental Issues -- 3 pts  
Murdoch: S2-internal, S2-external

**General Electives - 6 to 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Politics and International Studies (BA); Sustainable Development (BA, BSc).

**Part II - 48 credit points****Core Units - 16 credit points**

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

Plus three units from the following:

COD334 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP333 Disasters and Risk Management -- 4 pts  
Murdoch: UA2-internal

**Specified Electives - 8 credit points**

Select from the following:

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

POL313 Gender and Development -- 4 pts  
NA 2011

MCC211 Gender, Globalisation and Cultural Politics -- 4 pts  
Murdoch: S2-internal, S2-external

STP303 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

ENV210 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Politics and International Studies (BA); Sustainable Development (BA, BSc).

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**INTERNATIONAL BUSINESS****See also:**

Commerce  
Politics and International Studies

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**INTERNATIONAL BUSINESS (BCOM)****Murdoch Business School**

Bachelor of Commerce (BCom) in International Business

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

The Bachelor of Commerce in International Business is an integrated degree with a strong basis in international commerce and economics, as well as interdisciplinary links with Asian studies areas. Students are exposed to a selection of units that will develop their knowledge of the global business environment and related political and social factors in some of the largest economies of the world, such as China and Japan.

The major is designed to enable students to acquire skills needed for employment in an international environment. Business core units provide the foundation for a broad international business perspective and skills appropriate to understanding and dealing

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

with a range of cultures in an increasingly globalised world.

To enhance future employment opportunities in international business, students are strongly encouraged to study one of the three foreign languages offered by the University: Chinese, Japanese and Indonesian.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students with language expertise above the second-year level may be refused enrolment in the language electives.

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Excluded Double Majors:**

Asian Studies (BA); Asian Studies (Specialist) (BAsianSt); Chinese Business (BCom)

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

POL161 Asia-Pacific in the Global System -- 3 pts  
Murdoch: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

Recommended: Students may wish to consider enrolling in language units from the following list:

JPN171 Japanese IA -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese IB -- 6 pts  
Murdoch: S2-internal

BUS102 Introductory Chinese -- 3 pts  
Murdoch: S2-internal, S2-external

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II - 48 credit points**

**Core Units - 24 credit points**

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

BUS321 International Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T3A-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

BUS323 International Management -- 4 pts  
Murdoch: S1-internal

**Specified Electives - 12 credit points**

Select from the following:

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external

BUS290 International Financial Markets and Institutions -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
KAPLAN-SGP: T3A-internal

LAW311 International Trade Law -- 4 pts  
Murdoch: WF-internal (full fee-paying)

BUS233 Conversational Chinese -- 4 pts  
Murdoch: S1-internal

BUS243 Chinese Business -- 4 pts  
Murdoch: S1-internal, S1-external

BUS241 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

JPN204 Japanese IIA -- 4 pts  
Murdoch: S1-internal

JPN214 Postwar Japan -- 4 pts  
NA 2011

IND261 Indonesian 2A -- 4 pts  
Murdoch: S1-internal, S1-external

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts

for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

#### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

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## INTERNET SOFTWARE DEVELOPMENT

### INTERNET SOFTWARE DEVELOPMENT (BSc)

#### School of Information Technology

Bachelor of Science (BSc) in Internet Software Development

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Internet Software Development major is designed to provide students with specialisation in the field of Internet programming and application development. The main areas covered include: the design and management of networked computing systems, the development and maintenance of applications for the Internet including multimedia, databases, software development and Internet science and technology.

#### Employment Prospects:

Excellent career opportunities exist for Internet Computing graduates in business, industry and government as Internet application developers, programmers, systems analysts, database administrators, computer systems and network managers, user support officers and software engineers.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

#### Recommended Double Majors:

Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Games Technology (BSc)

#### Recommended Minors:

Advanced Networking; Fundamentals of Networking; Network Security; Software Development

#### Excluded Minors:

Computer Science; Computer Technology; Internet and Multimedia Computing; Internet Computing

#### Professional Recognition:

Graduates of this degree are eligible for membership of the Australian Computer Society at the Professional Level.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 15 credit points

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

Either:

MAS167 Computational Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Games Technology (BSc).

Recommended:

ICT106 Fundamentals of Computer Systems -- 3 pts  
Murdoch: S2-internal, S2-external

#### Part II - 48 credit points

##### Core Units - 24 credit points

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

ICT239 Software Development Frameworks -- 4 pts  
Murdoch: S1-internal, S1-external

ICT211 Web Computing -- 4 pts  
Murdoch: S2-internal, S2-external

ICT336 Internet Systems Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT333 Information Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Computer Science (BSc); Cyber Forensics, Information Security and Management (BSc); Games Technology (BSc).

Recommended:

ICT338 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT339 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

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## **HONOURS IN INTERNET SOFTWARE DEVELOPMENT (BSC(HONS))**

### **School of Information Technology**

*Bachelor of Science with Honours (BSc(Hons)) in Internet Software Development*

Course Codes: H1214

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 4 credit points**

ICT477 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

##### **Elective Units - 8 credit points**

Select from the following:

ICT4021 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

ICT4022 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500/600-level) -- 4 pts

Students may also be able to take ICT4051 Advanced Honours Topic in Information Systems -- 4 pts or ICT4052 Advanced Honours Topic in Information Systems -- 4 pts with the approval of the Honours Subcommittee Chair.

### **Thesis - 12 credit points**

ICT4029 Honours Thesis in Computer Science -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## **INTERNETWORKING AND NETWORK SECURITY**

### **INTERNETWORKING AND SECURITY (BSC)**

#### **School of Information Technology**

*Bachelor of Science (BSc) in Internetworking and Security*

Course Codes: B1205; B1205A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Internetworking and Security major provides the knowledge and skills required to manage the routers and switches that form the network core, as well as edge devices and computer applications that integrate voice, wireless, and security into the network. The major is designed in consultation with industry managers to meet the growing need for networking specialists with skills in security and converged voice and data networks.

#### **Employment Prospects:**

This course prepares students for a career in computer networking for business, industry or government. The course also offers training towards the excellent Cisco Certification useful in a number of areas such as Network Engineer and System Administrator that are considered very desirable by potential employers across a large range of enterprises.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

Internet access is required for all students.

#### **Recommended Double Majors:**

Business Information Systems (BSc); Cyber Forensics, Information Security and Management (BSc)

#### **Recommended Minors:**

Internet and Multimedia Computing; Internet Computing; Software Development

#### **Excluded Minors:**

Advanced Networking; Computer Technology; Fundamentals of Networking; Network Security

#### **Professional Recognition:**

Graduates receive professional membership of the Australian Computing Society (ACS) and are eligible to sit for the following

industry certification exams: Cisco Certified Network Associate (CCNA), Cisco Certified Network Professional (CCNP); Managing Securing Networks with Cisco Routers and Switches (SNRS), Securing Networks with ASA Foundation (SNAF), Securing Networks with ASA Advanced (SNAA).

**Main Research Areas:**

Communication standards, electronic commerce, high speed networks and distance education.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT106 Fundamentals of Computer Systems -- 3 pts  
Murdoch: S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT120 Principles of Data Communications -- 3 pts  
Murdoch: S2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Business Information Systems (BSc); Cyber Forensics, Information Security and Management (BSc).

**Part II - 48 credit points**

**Core Units - 24 credit points**

ICT264 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT339 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT362 Network Security -- 4 pts  
Murdoch: S1-internal

ICT333 Information Technology Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT347 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

ICT363 Network Switching -- 4 pts  
Murdoch: S1-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Business Information Systems (BSc); Cyber Forensics, Information Security and Management (BSc).

Recommended:

ICT344 IP Telephony -- 4 pts  
Murdoch: S2-internal

ICT338 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

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**HONOURS IN INTERNETWORKING AND SECURITY (BSC(HONS))**

**School of Information Technology**

Bachelor of Science with Honours (BSc(Hons)) in Internetworking and Security

Course Codes: H1215

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 12 credit points**

**Core Units - 4 credit points**

ICT477 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

**Elective Units - 8 credit points**

Select from the following:

ICT4021 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

ICT4022 Advanced Honours Topic in Computer Science -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500/600-level) -- 4 pts

Students may also be able to take ICT4051 Advanced Honours Topic in Information Systems -- 4 pts or ICT4052 Advanced Honours Topic in Information Systems -- 4 pts with the approval of the Honours Subcommittee Chair.

**Thesis - 12 credit points**

ICT4029 Honours Thesis in Computer Science -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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**JOURNALISM**

**See also:**

Public Relations



## JOURNALISM (BCOMMUN)

### School of Media Communication and Culture

Bachelor of Communication (BCommun) in Journalism

Course Codes: B1284

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

This major provides students with practical reporting and writing skills in journalism and it investigates the ethical, legal and cultural contexts of new media. The major gives students the opportunity to work in an online newsroom situation. Students learn about the news media industry and about the influence of journalism on society. As part of the Communication degree, students also learn about media audiences and public opinion.

#### Employment Prospects:

Graduates may follow careers in the media or as freelance writers. Graduates also will have research, communication and professional writing skills that are useful in many corporate and public sector settings.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Recommended Double Majors:

Communication and Media Studies (BCommun); Politics and International Studies (BA); Public Relations (BCommun)

#### Excluded Minors:

Journalism

#### Main Research Areas:

Media law, ethics, storytelling and oral history, freedom of information.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 12 credit points

MCC108 Introduction to Communication and Media -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

MCC104 Introduction to Journalism -- 3 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal

MCC105 Introduction to Radio -- 3 pts  
Murdoch: S1-internal, S2-internal (quota of 80 places)  
DUBAI-ISC: N1-internal

MCC124 Photography and Digital Imaging -- 3 pts  
Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

DUBAI-ISC: N2-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Politics and International Studies (BA); Public Relations (BCommun).

#### Part II - 48 credit points

##### Core Units - 24 credit points

MCC236 Media Audiences and the Public -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal  
SGP1: T1B-internal, T3B-internal

MCC245 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
SGP1: T1B-internal, T3B-internal

MCC240 Politics, Journalism and Society -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
SGP1: T2B-internal

MCC217 Web News Production -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
SGP1: T2B-internal

MCC267 Photo and Video Journalism -- 4 pts  
Murdoch: S1-internal  
SGP1: T3B-internal

MCC323 Newsroom -- 4 pts  
Murdoch: S1-internal, S2-internal  
DUBAI-ISC: N2-internal  
SGP1: T1B-internal, T3B-internal

##### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Politics and International Studies (BA); Public Relations (BCommun).

## HONOURS IN JOURNALISM (BCOMMUN(HONS))

### School of Media Communication and Culture

Bachelor of Communication with Honours (BCommun(Hons)) in Journalism

Course Codes: H1209

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts

Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts

Murdoch: S1-internal, S2-internal

**LAW****COMMON LAW (BCL)****School of Law**

Bachelor of Common Law (BCL)

Course Codes: B1299

*Duration: The qualification is equivalent to 3 years full-time study but due to advanced standing, students will complete the equivalent of one year full-time (or part-time equivalent)*

**Availability:**

- Murdoch campus (internal)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

This course is available to students who have completed a minimum of two years of full-time study in a recognised civil law course. Students must follow a set structure of required units over a one-year period. This will give students a foundation in the main areas of common law in order to be able to combine their own civil law system so as to provide them with a global legal formation.

**Employment Prospects:**

Law, international trade and business, public service, diplomacy.

**Admission Requirements (Onshore):**

Students will be individually assessed on eligibility based on their background in Law.

English competence.

**Special Requirements:**

Students will receive advanced standing for a minimum of 48 points based on having successfully completed at least two years of full-time studies in a civil law course overseas.

**Excluded Double Majors:**

Juris Doctor (JD); Law (Four-Year Degree) (LLB); Law (LLB) + Other Bachelor Degree

**Course Structure - 72 credit points****Advanced Standing in relevant Law background - 48 credit points****Core Units - 24 credit points**

BCL250 Australian Common Law System -- 4 pts  
 Murdoch: UA1-internal

LAW260 Contract -- 4 pts  
 Murdoch: S1-internal

LAW253 Property -- 4 pts  
 Murdoch: S1-internal, S2-internal

LAW351 Equity and Trusts -- 4 pts  
 Murdoch: S2-internal

LAW358 Remedies -- 4 pts  
 Murdoch: S2-internal

BCL252 Tortious Liability -- 4 pts  
 Murdoch: S2-internal

**JURIS DOCTOR (JD)****School of Law**

Juris Doctor (JD)

Course Codes: B1272

*Restriction: Enrolment in this course is subject to restriction.*

*Duration: 3 years full-time or part-time equivalent*

**Availability:**

- Murdoch campus (internal)
- Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)

This three-year degree is available to graduates with a recognised degree in any discipline who wish to obtain a qualification in Law. Graduate students must follow a set structure of required units if they wish to complete in the minimum time. This will give all students a basic understanding of the legal system and of the nature of the abilities demanded by the professional practice of law.

At the same time, students will be provided with opportunities to practise these abilities in simulated professional settings such as the Law School's Clinical Education Centre at Rockingham. Students will build on this foundation through advanced unit offerings in such areas as corporate and commercial law, environmental law, family law, international law, alternative dispute resolution and human rights law.

Note: Only students admitted to the Law or Juris Doctor degrees (or to a joint degree with Law) are permitted to enrol in Law units. Students not admitted to the Law or Juris Doctor degrees who would like to undertake legal study should refer to the Bachelor of Legal Studies.

**Admission Requirements (Onshore):**

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
 T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

A recognised degree in any discipline.

English competence.

**Special Requirements:**

European Summer Program in Law and International Human Rights Program:

The School of Law is offering a selection of specified elective units as part of its European Summer Program in Law, hosted at the University of Macerata, Italy, and its International Human Rights Program in Geneva, Switzerland. These programs will be run subject to sufficient enrolments.

Enrolment in these programs is by application to the Program Director. Students are required to pay an application fee when submitting their application. Students enrolling in the program are responsible for their own airfares, accommodation, meals and incidental expenses during the program. Students are also required to pay a fee for course materials and access to the library, Internet and other facilities at the host institution.

Students in the program must possess a passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the host country; Permanent Residents may also require a visa for re-entry into Australia.

Students are covered by Murdoch University for travel insurance. Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure, via the following web site:  
<http://www.smartraveller.gov.au/>  
All students must complete the University's online Travel Register prior to departure.

Students interested in the European Summer Program or the International Human Rights program are encouraged to contact the School of Law office for further information.

**Excluded Double Majors:**

Common Law (BCL); Criminology (BCrim); Legal Studies (BLS)

**Professional Recognition:**

The Juris Doctor degree enables students to satisfy the university education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. In keeping with its character as a professional preparation, a significant proportion of the Juris Doctor degree will be obligatory.

**Course Structure - 80 credit points**

**Core Units - 52 credit points**

LAW150 Australian Legal System -- 3 pts

Murdoch: S1-internal, S2-internal

LAW152 Torts -- 3 pts

Murdoch: S2-internal

LAW130 Criminal Law and Procedure -- 3 pts

Murdoch: S2-internal

LAW120 Research and Writing -- 3 pts

Murdoch: S1-internal, S2-internal

LAW259 Constitutional Law -- 4 pts

Murdoch: S2-internal

LAW258 Australian Administrative Law -- 4 pts

Murdoch: S1-internal

LAW260 Contract -- 4 pts

Murdoch: S1-internal

LAW252 Evidence -- 4 pts

Murdoch: S2-internal

LAW253 Property -- 4 pts

Murdoch: S1-internal, S2-internal

LAW351 Equity and Trusts -- 4 pts

Murdoch: S2-internal

LAW350 Civil Procedure -- 4 pts

Murdoch: S1-internal

LAW352 Corporations Law -- 4 pts

Murdoch: S1-internal

LAW301 Legal Theory -- 4 pts

Murdoch: S1-internal

IMACERATA: S2G-internal

LAW368 Ethics and Professional Responsibility -- 4 pts

Murdoch: S2-internal

**Specified Electives - 28 credit points**

Select from the following units (Specified Electives as listed in the Law (Four-Year) degree); include a minimum of one unit which meets the Part II Research and Writing requirement, as marked with an asterisk (\*).

LAW257 Law in China: Continuity and Change -- 4 pts

Murdoch: S1-internal

LAW355 Admiralty Law -- 4 pts

Murdoch: S2-internal

LAW385 Advanced Clinical Legal Education -- 4 pts

Murdoch: DE2-internal (quota of 20 places), SPA1-internal (quota of 20 places), UW3-internal (quota of 20 places)

LAW333 Advanced Criminal Law -- 4 pts

Murdoch: S1-internal

\* LAW480 Advanced Research Paper -- 12 pts

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

\* LAW324 Aviation Law -- 4 pts

NA 2011

LAW374 Chinese Intellectual Property Laws in the Global Context -- 4 pts

CITYUHK: S1D-internal

\* LAW436 Celtic Law and Society -- 4 pts

NA 2011

LAW390 Clinical Legal Education -- 8 pts

Murdoch: DE2-internal (quota of 20 places), UW3-internal (quota of 20 places)

OR

LAW3901 Clinical Legal Education -- 4 pts

Murdoch: SPA1-internal (quota of 20 places)

LAW332 Commercial Law -- 4 pts

Murdoch: S2-internal

LAW325 Comparative Law -- 4 pts

Murdoch: SB7-internal (quota of 50 places)

IMACERATA: S2G-internal

LAW254 Competitions -- 4 pts

Murdoch: S1-internal, S2-internal

LAW341 Conflict of Laws -- 4 pts

Murdoch: W3-internal

LAW329 Construction Law -- 4 pts  
NA 2011

LAW405 Criminal Justice -- 4 pts  
Murdoch: S1-internal

LAW406 Criminology -- 4 pts  
Murdoch: S2-internal

LAW421 Dispute Resolution -- 4 pts  
Murdoch: S2-internal, SB4-internal (quota of 50 places)

\* LAW326 Electronic Practice and Litigation -- 4 pts  
NA 2011

LAW363 Employment Relations Law -- 4 pts  
Murdoch: W14-internal

LAW356 Environmental, Sustainability and Climate Change Law -- 4 pts  
Murdoch: AU2-internal

LAW342 European Union Law -- 4 pts  
Murdoch: W1-internal  
IMACERATA: S2G-internal

LAW370 Family Law -- 4 pts  
Murdoch: S2-internal

\* LAW337 Legal Protection of International Human Rights -- 4 pts  
Murdoch: S1-internal  
GENEVA: S2G-internal

LAW376 International Human Rights Organisations -- 4 pts  
GENEVA: S2G-internal

LAW319 Insurance Law -- 4 pts  
NA 2011

LAW375 Intellectual Property: Trade Marks and Copyright -- 4 pts  
Murdoch: S2-internal

LAW379 Intellectual Property: Patents and Sui Generis Regimes -- 4 pts  
Murdoch: S1-internal

\* LAW316 Introduction to World Trade Organisation Law -- 4 pts  
Murdoch: S2-internal

\* LAW339 Shipping Law -- 4 pts  
NA 2011

LAW407 Mediation -- 4 pts  
Murdoch: SP18-internal

LAW344 Military Law -- 4 pts  
NA 2011

LAW335 Mining and Natural Resources Law -- 4 pts  
Murdoch: S1-internal

LAW305 Native Title Law -- 4 pts  
Murdoch: SP17-internal

LAW408 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LAW409 Psychology and Law -- 4 pts  
Murdoch: S2-internal

\* LAW365 Public International Law -- 4 pts  
Murdoch: S2-internal

LAW358 Remedies -- 4 pts  
Murdoch: S2-internal

LAW420 Sentencing and Penology -- 4 pts  
Murdoch: S1-internal

LAW423 Social and Welfare Law -- 4 pts  
Murdoch: S2-internal

LAW377 Sports Law -- 4 pts  
NA 2011

LAW3006 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3004 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3002 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3003 Special Topics in Law: International Criminal Law -- 4 pts  
Murdoch: SB3-internal (quota of 50 places)

LAW300 Special Topics in Law: International Labour Law -- 4 pts  
Murdoch: UA2-internal

LAW3005 Special Topics in Law -- 4 pts  
Topic not currently offered

\* LAW381 Supervised Legal Research -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

LAW353 Income Taxation Principles -- 4 pts  
Murdoch: SP18-internal

LAW362 Law of Corporate Finance -- 4 pts  
Murdoch: S2-internal

LAW311 International Trade Law -- 4 pts  
Murdoch: WF-internal (full fee-paying)

\* LAW312 Law Moot -- 4 pts  
Murdoch: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)

LAW313 Law Review -- 4 pts  
Murdoch: H-internal (quota of 20 places), Y-internal (quota of 20 places)

LAW314 Moot Court Bench -- 4 pts  
Murdoch: H-internal (quota of 12 places), Y-internal (quota of 12 places)

\* LAW315 Willem C Vis International Commercial Arbitration Moot -- 4 pts  
Murdoch: H-internal (quota of 5 places)

LAW327 Refugee Law -- 4 pts  
GENEVA: S2G-internal

LAW328 Trial Advocacy -- 4 pts  
Murdoch: SP23-internal (quota of 30 places)

LAW334 Indonesian Law -- 4 pts  
NA 2011

LAW246 Children and the Law -- 4 pts  
Murdoch: S1-internal

LAW318 International Intellectual Property -- 4 pts  
NA 2011

LAW345 Succession Law -- 4 pts  
NA 2011

LAW322 Chinese Contract and Commercial Law -- 4 pts  
CITYUHK: S1D-internal

LAW317 Introduction to the Chinese Legal System -- 4 pts  
CITYUHK: S1D-internal

LAW367 Law of Planning -- 4 pts  
NA 2011

LAW361 International Taxation -- 4 pts  
NA 2011

LAW349 Comparative Contract Law -- 4 pts  
NA 2011

LAW348 Mineral and Petroleum Law -- 4 pts  
NA 2011

LAW347 Restrictive Trade Practices Law -- 4 pts  
Murdoch: S2-internal

## **LAW (FOUR-YEAR DEGREE) (LLB)**

### **School of Law**

Bachelor of Laws (LLB)

Course Codes: B1011

Restriction: Enrolment in this course is subject to restriction.

Duration: 4 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)

Students in the Murdoch Law degree include both candidates who enter it directly from matriculation, and mature-age students. In keeping with its character as a professional preparation, a significant proportion of the Law degree is obligatory. This gives all students a basic understanding of the legal system and an introduction to the abilities demanded by the professional practice of law. At the same time, students will be provided with opportunities to practise these abilities in simulated professional settings such as the Law School's Clinical Education Centre at Rockingham.

Students will build on this foundation through advanced unit offerings in such areas as corporate and commercial law, environmental law, family law, international law, alternative dispute resolution and human rights law.

Students in the degree may study on a part-time basis. It should be noted that, in some circumstances, enrolment in less than 12 points in a semester may mean that students will not meet the formal prerequisite requirements for units which they may wish to study in subsequent semesters.

Note: Only students admitted to the Law degree (or to a joint degree with Law or Juris Doctor qualification) are permitted to enrol in units in the Law degree. Students not admitted to the Law degree who would like to undertake legal study should refer to the Bachelor of Legal Studies.

### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

### **Special Requirements:**

European Summer Program in Law and International Human Rights Program:

The School of Law is offering a selection of specified elective units as part of its European Summer Program in Law, hosted at the

University of Macerata, Italy, and its International Human Rights Program in Geneva, Switzerland. These programs will be run subject to sufficient enrolments.

Enrolment in these programs is by application to the Program Director. Students are required to pay an application fee when submitting their application. Students enrolling in the program are responsible for their own airfares, accommodation, meals and incidental expenses during the program. Students are also required to pay a fee for course materials and access to the library, Internet and other facilities at the host location.

Students in the program must possess a passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the host country; Permanent Residents may also require a visa for re-entry into Australia.

Students are covered by Murdoch University for travel insurance. Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure via the following web site: <http://www.smartraveller.gov.au/> All students must complete the University's online Travel Register prior to departure.

Students interested in the European Summer Program or the International Human Rights program are encouraged to contact the School of Law office for further information.

### **Excluded Double Majors:**

Common Law (BCL); Criminology (BCrim); Legal Studies (BLS)

### **Professional Recognition:**

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

## **Course Structure - 96 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 12 credit points**

LAW150 Australian Legal System -- 3 pts  
Murdoch: S1-internal, S2-internal

LAW152 Torts -- 3 pts  
Murdoch: S2-internal

LAW130 Criminal Law and Procedure -- 3 pts  
Murdoch: S2-internal

LAW120 Research and Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

#### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

**Part II - 72 credit points****Core Units - 40 credit points**

LAW259 Constitutional Law -- 4 pts  
Murdoch: S2-internal

LAW258 Australian Administrative Law -- 4 pts  
Murdoch: S1-internal

LAW260 Contract -- 4 pts  
Murdoch: S1-internal

LAW252 Evidence -- 4 pts  
Murdoch: S2-internal

LAW253 Property -- 4 pts  
Murdoch: S1-internal, S2-internal

LAW351 Equity and Trusts -- 4 pts  
Murdoch: S2-internal

LAW350 Civil Procedure -- 4 pts  
Murdoch: S1-internal

LAW352 Corporations Law -- 4 pts  
Murdoch: S1-internal

LAW301 Legal Theory -- 4 pts  
Murdoch: S1-internal  
IMACERATA: S2G-internal

LAW368 Ethics and Professional Responsibility -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 32 credit points**

Select from the following units; include a minimum of one unit which meets the Part II Research and Writing requirement, as marked with an asterisk (\*).

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

LAW355 Admiralty Law -- 4 pts  
Murdoch: S2-internal

LAW385 Advanced Clinical Legal Education -- 4 pts  
Murdoch: DE2-internal (quota of 20 places), SPA1-internal (quota of 20 places), UW3-internal (quota of 20 places)

LAW333 Advanced Criminal Law -- 4 pts  
Murdoch: S1-internal

\* LAW480 Advanced Research Paper -- 12 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

\* LAW324 Aviation Law -- 4 pts  
NA 2011

\* LAW436 Celtic Law and Society -- 4 pts  
NA 2011

LAW374 Chinese Intellectual Property Laws in the Global Context -- 4 pts  
CITYUHK: S1D-internal

LAW390 Clinical Legal Education -- 8 pts  
Murdoch: DE2-internal (quota of 20 places), UW3-internal (quota of 20 places)

OR

LAW3901 Clinical Legal Education -- 4 pts  
Murdoch: SPA1-internal (quota of 20 places)

LAW332 Commercial Law -- 4 pts  
Murdoch: S2-internal

LAW325 Comparative Law -- 4 pts  
Murdoch: SB7-internal (quota of 50 places)  
IMACERATA: S2G-internal

LAW254 Competitions -- 4 pts  
Murdoch: S1-internal, S2-internal

LAW341 Conflict of Laws -- 4 pts  
Murdoch: W3-internal

LAW329 Construction Law -- 4 pts  
NA 2011

LAW405 Criminal Justice -- 4 pts  
Murdoch: S1-internal

LAW406 Criminology -- 4 pts  
Murdoch: S2-internal

LAW421 Dispute Resolution -- 4 pts  
Murdoch: S2-internal, SB4-internal (quota of 50 places)

\* LAW326 Electronic Practice and Litigation -- 4 pts  
NA 2011

LAW363 Employment Relations Law -- 4 pts  
Murdoch: W14-internal

LAW356 Environmental, Sustainability and Climate Change Law -- 4 pts  
Murdoch: AU2-internal

LAW342 European Union Law -- 4 pts  
Murdoch: W1-internal  
IMACERATA: S2G-internal

LAW370 Family Law -- 4 pts  
Murdoch: S2-internal

\* LAW337 Legal Protection of International Human Rights -- 4 pts  
Murdoch: S1-internal  
GENEVA: S2G-internal

LAW376 International Human Rights Organisations -- 4 pts  
GENEVA: S2G-internal

LAW319 Insurance Law -- 4 pts  
NA 2011

LAW375 Intellectual Property: Trade Marks and Copyright -- 4 pts  
Murdoch: S2-internal

LAW379 Intellectual Property: Patents and Sui Generis Regimes -- 4 pts  
Murdoch: S1-internal

\* LAW316 Introduction to World Trade Organisation Law -- 4 pts  
Murdoch: S2-internal

\* LAW339 Shipping Law -- 4 pts  
NA 2011

LAW407 Mediation -- 4 pts  
Murdoch: SP18-internal

LAW344 Military Law -- 4 pts  
NA 2011

LAW335 Mining and Natural Resources Law -- 4 pts  
Murdoch: S1-internal

LAW305 Native Title Law -- 4 pts  
Murdoch: SP17-internal

LAW408 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LAW409 Psychology and Law -- 4 pts  
Murdoch: S2-internal

- \* LAW365 Public International Law -- 4 pts  
Murdoch: S2-internal
- LAW358 Remedies -- 4 pts  
Murdoch: S2-internal
- LAW420 Sentencing and Penology -- 4 pts  
Murdoch: S1-internal
- LAW423 Social and Welfare Law -- 4 pts  
Murdoch: S2-internal
- LAW377 Sports Law -- 4 pts  
NA 2011
- LAW3006 Special Topics in Law -- 4 pts  
Topic not currently offered
- LAW3004 Special Topics in Law -- 4 pts  
Topic not currently offered
- LAW3002 Special Topics in Law -- 4 pts  
Topic not currently offered
- LAW3003 Special Topics in Law: International Criminal Law -- 4 pts  
Murdoch: SB3-internal (quota of 50 places)
- LAW300 Special Topics in Law: International Labour Law -- 4 pts  
Murdoch: UA2-internal
- LAW3005 Special Topics in Law -- 4 pts  
Topic not currently offered
- \* LAW381 Supervised Legal Research -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal
- LAW353 Income Taxation Principles -- 4 pts  
Murdoch: SP18-internal
- LAW362 Law of Corporate Finance -- 4 pts  
Murdoch: S2-internal
- LAW311 International Trade Law -- 4 pts  
Murdoch: WF-internal (full fee-paying)
- \* LAW312 Law Moot -- 4 pts  
Murdoch: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)
- LAW313 Law Review -- 4 pts  
Murdoch: H-internal (quota of 20 places), Y-internal (quota of 20 places)
- LAW314 Moot Court Bench -- 4 pts  
Murdoch: H-internal (quota of 12 places), Y-internal (quota of 12 places)
- \* LAW315 Willem C Vis International Commercial Arbitration Moot -- 4 pts  
Murdoch: H-internal (quota of 5 places)
- LAW327 Refugee Law -- 4 pts  
GENEVA: S2G-internal
- LAW328 Trial Advocacy -- 4 pts  
Murdoch: SP23-internal (quota of 30 places)
- LAW334 Indonesian Law -- 4 pts  
NA 2011
- LAW246 Children and the Law -- 4 pts  
Murdoch: S1-internal
- LAW318 International Intellectual Property -- 4 pts  
NA 2011
- LAW345 Succession Law -- 4 pts  
NA 2011

- LAW322 Chinese Contract and Commercial Law -- 4 pts  
CITYUHK: S1D-internal
- LAW317 Introduction to the Chinese Legal System -- 4 pts  
CITYUHK: S1D-internal
- LAW367 Law of Planning -- 4 pts  
NA 2011
- LAW361 International Taxation -- 4 pts  
NA 2011
- LAW349 Comparative Contract Law -- 4 pts  
NA 2011
- LAW348 Mineral and Petroleum Law -- 4 pts  
NA 2011
- LAW347 Restrictive Trade Practices Law -- 4 pts  
Murdoch: S2-internal

Students who commenced study in the LLB at Murdoch prior to 2005 should note that LAW301 Legal Theory -- 4 pts meets the Perspectives requirement and can be taken as an elective in 2011.

## LAW (LLB) + OTHER BACHELOR DEGREE

### School of Law

Bachelor of Laws (LLB)  
+ Other Bachelor Degree

Course Codes: B1014; B1015; B1016; B1017; B1018; B1019; B1186; B1240; B1271; B1278; B1289; B1294; B1301

Restriction: Enrolment in Law and in certain other courses is subject to restriction.

Duration: Minimum 5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English) (some Specified Electives only)
- Some units only: Geneva, Switzerland (internal) (language of instruction: English) (some Specified Electives only)
- Some units only: University of Macerata, Italy ['IMACERATA'] (internal) (language of instruction: English) (some Specified Electives only)

Murdoch offers joint degrees which combine Law and another bachelor degree in an integrated course of study. This allows students seeking a law degree to gain a range of opportunities for the study of disciplines other than law which are greater than those for students within the law degree studied on its own.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

### Special Requirements:

Joint Degrees:

The joint degrees with Law (LLB) including Bachelor of Arts (BA), Commerce (BCom), Economics (BEcon), and Science (BSc) normally take five years (minimum 120 points) OR six years in the case of Asian Studies Specialist (BAsianSt), Environmental Science (BEnvSc (4-year)) or Psychology (BPsych) (minimum 144 points).

The total points required vary due to the number of required units in the other degree. Law combined with Commerce (BCom) requires a minimum of 120 points, however, additional points may be required to satisfy some Commerce professional/major requirements.

Students enrolled in joint degrees must be enrolled concurrently in units from both courses in all years. The only exceptions are during the overseas semester(s) of the Bachelor of Asian Studies (Specialist) or with permission of the Academic Chair. Both degrees are awarded together upon completion of all of the requirements.

Students in the joint degrees are required to meet the same core Law requirements as specified in the course structure for Law and complete 28 points of Law Specified Electives. Students enrolled in Law and Commerce (LLB/BCom) will be exempt from completing BUS165 Principles of Commercial Law. Students completing Law and Commerce (Professional Accounting major or Accounting major students enrolling in the additional professional accreditation requirements) are exempt from BUS328 Company Law, but must complete the core Law unit LAW352 Corporations Law. Accounting students may complete LAW353 Income Taxation Principles in lieu of BUS313 Taxation, however students who are unable to complete LAW353 Income Taxation Principles must complete BUS313 Taxation to satisfy the requirements for Professional Accounting. Such students will not be able to use BUS313 Taxation as a Law elective and therefore must still complete 28 points of Law Specified Electives.

Joint Law/Commerce students enrolled in the Business Law major, Human Resource Management major or Management major are advised that if they complete LAW363 Employment Relations Law in place of BUS228 Workplace Law they are required to complete a further Part II Business unit to make up the required points.

European Summer Program in Law and International Human Rights Program:

The School of Law is offering a selection of specified elective units as part of its European Summer Program in Law, hosted at the University of Macerata, Italy, and its International Human Rights Program in Geneva, Switzerland. These programs will be run subject to sufficient enrolments.

Enrolment in these programs is by application to the Program Director. Students are required to pay an application fee when submitting their application. Students enrolling in the program are responsible for their own airfares, accommodation, meals and incidental expenses during the program. Students are also required to pay a fee for course materials and access to the library, Internet and other facilities at the host institution.

Students in the program must possess a passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the host country; Permanent Residents may also require a visa for re-entry into Australia.

Students are covered by Murdoch University for travel insurance. Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure, via the following web site:  
<http://www.smartraveller.gov.au/>  
All students must complete the University's online Travel Register prior to departure.

Students interested in the European Summer Program or the International Human Rights program are encouraged to contact the School of Law office for further information.

#### **Recommended Double Majors:**

Asian Studies (BA) [joint degree]; Australian Indigenous Studies (BA) [joint degree]; Business Information Systems (BSc) [joint degree]; Chemistry (BSc) [joint degree]; Computer Science (BSc) [joint degree]; Economics (BEcon) [joint degree]; English and Creative Writing (BA) [joint degree]; Environmental Science (BEnvSc, BSc)

[joint degree]; History (BA) [joint degree]; Mathematics and Statistics (BSc) [joint degree]; Philosophy (BA) [joint degree]; Politics and International Studies (BA) [joint degree]; Psychology (BPsych, BA) [joint degree]; Sociology (BA) [joint degree]; Sustainable Development (BA, BSc) [joint degree]

#### **Excluded Double Majors:**

Common Law (BCL); Criminology (BCrim); Legal Studies (BLS)

#### **Professional Recognition:**

The Murdoch Bachelor of Laws satisfies the University education requirements for the practice of law of the governing bodies of the legal profession of Western Australia. As is the pattern in the rest of Australia, before a candidate may be admitted to the practice of law in this State, certain additional requirements must be satisfied after completion of this formal university training.

### **Course Structure - at least 120 credit points**

#### **Part I - 24 credit points**

Students must complete 24 points at Part I level, made up of one 3-point Foundation unit, 12 points (4 units) of required Law units and 9 points of required units for the other degree. Where the other degree has more than 9 points of Part I required units, these should be completed in the second or subsequent year of study. Care should be taken in selecting units to ensure that prerequisites for Part II units are completed in the correct sequence. Where the other degree has less than 9 points of required units, students may complete the total Part I point requirement by selecting any of the Part I units offered by the University.

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Law Units - 12 credit points**

LAW150 Australian Legal System -- 3 pts  
Murdoch: S1-internal, S2-internal

LAW152 Torts -- 3 pts  
Murdoch: S2-internal

LAW130 Criminal Law and Procedure -- 3 pts  
Murdoch: S2-internal

LAW120 Research and Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

#### **Part II - 96 credit points**

Students must complete 96 points made up of 40 points of core Law units, 28 points of Law specified electives and the balance selected so as to complete the core units and specified electives of the other degree. (See the note in the course description for Commerce requirements.)

#### **Core Law Units - 40 credit points**

LAW259 Constitutional Law -- 4 pts  
Murdoch: S2-internal

LAW258 Australian Administrative Law -- 4 pts  
Murdoch: S1-internal

LAW260 Contract -- 4 pts  
Murdoch: S1-internal

LAW252 Evidence -- 4 pts  
Murdoch: S2-internal

LAW253 Property -- 4 pts  
Murdoch: S1-internal, S2-internal

LAW351 Equity and Trusts -- 4 pts  
Murdoch: S2-internal



LAW350 Civil Procedure -- 4 pts  
Murdoch: S1-internal

LAW352 Corporations Law -- 4 pts  
Murdoch: S1-internal

LAW301 Legal Theory -- 4 pts  
Murdoch: S1-internal  
IMACERATA: S2G-internal

LAW368 Ethics and Professional Responsibility -- 4 pts  
Murdoch: S2-internal

### **Specified Electives - 28 credit points**

Select from the following units (Specified Electives as listed in the Law (Four-Year) degree); include a minimum of one unit which meets the Part II Research and Writing requirement, as marked with an asterisk (\*).

Detailed information for each joint degree combination is available from the Law Academic Chair and the Law School Office.

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

LAW355 Admiralty Law -- 4 pts  
Murdoch: S2-internal

LAW385 Advanced Clinical Legal Education -- 4 pts  
Murdoch: DE2-internal (quota of 20 places), SPA1-internal (quota of 20 places), UW3-internal (quota of 20 places)

LAW333 Advanced Criminal Law -- 4 pts  
Murdoch: S1-internal

\* LAW480 Advanced Research Paper -- 12 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

\* LAW324 Aviation Law -- 4 pts  
NA 2011

\* LAW436 Celtic Law and Society -- 4 pts  
NA 2011

LAW374 Chinese Intellectual Property Laws in the Global Context -- 4 pts  
CITYUHK: S1D-internal

LAW390 Clinical Legal Education -- 8 pts  
Murdoch: DE2-internal (quota of 20 places), UW3-internal (quota of 20 places)

OR

LAW3901 Clinical Legal Education -- 4 pts  
Murdoch: SPA1-internal (quota of 20 places)

LAW332 Commercial Law -- 4 pts  
Murdoch: S2-internal

LAW325 Comparative Law -- 4 pts  
Murdoch: SB7-internal (quota of 50 places)  
IMACERATA: S2G-internal

LAW254 Competitions -- 4 pts  
Murdoch: S1-internal, S2-internal

LAW341 Conflict of Laws -- 4 pts  
Murdoch: W3-internal

LAW329 Construction Law -- 4 pts  
NA 2011

LAW405 Criminal Justice -- 4 pts  
Murdoch: S1-internal

LAW406 Criminology -- 4 pts  
Murdoch: S2-internal

LAW421 Dispute Resolution -- 4 pts  
Murdoch: S2-internal, SB4-internal (quota of 50 places)

\* LAW326 Electronic Practice and Litigation -- 4 pts  
NA 2011

LAW363 Employment Relations Law -- 4 pts  
Murdoch: W14-internal

LAW356 Environmental, Sustainability and Climate Change Law -- 4 pts  
Murdoch: AU2-internal

LAW342 European Union Law -- 4 pts  
Murdoch: W1-internal  
IMACERATA: S2G-internal

LAW370 Family Law -- 4 pts  
Murdoch: S2-internal

\* LAW337 Legal Protection of International Human Rights -- 4 pts  
Murdoch: S1-internal  
GENEVA: S2G-internal

LAW376 International Human Rights Organisations -- 4 pts  
GENEVA: S2G-internal

LAW319 Insurance Law -- 4 pts  
NA 2011

LAW375 Intellectual Property: Trade Marks and Copyright -- 4 pts  
Murdoch: S2-internal

LAW379 Intellectual Property: Patents and Sui Generis Regimes -- 4 pts  
Murdoch: S1-internal

\* LAW316 Introduction to World Trade Organisation Law -- 4 pts  
Murdoch: S2-internal

\* LAW339 Shipping Law -- 4 pts  
NA 2011

LAW407 Mediation -- 4 pts  
Murdoch: SP18-internal

LAW344 Military Law -- 4 pts  
NA 2011

LAW335 Mining and Natural Resources Law -- 4 pts  
Murdoch: S1-internal

LAW305 Native Title Law -- 4 pts  
Murdoch: SP17-internal

LAW408 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LAW409 Psychology and Law -- 4 pts  
Murdoch: S2-internal

\* LAW365 Public International Law -- 4 pts  
Murdoch: S2-internal

LAW358 Remedies -- 4 pts  
Murdoch: S2-internal

LAW420 Sentencing and Penology -- 4 pts  
Murdoch: S1-internal

LAW423 Social and Welfare Law -- 4 pts  
Murdoch: S2-internal

LAW377 Sports Law -- 4 pts  
NA 2011

LAW3006 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3004 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3002 Special Topics in Law -- 4 pts  
Topic not currently offered

LAW3003 Special Topics in Law: International Criminal Law -- 4 pts  
Murdoch: SB3-internal (quota of 50 places)

LAW300 Special Topics in Law: International Labour Law -- 4 pts  
Murdoch: UA2-internal

LAW3005 Special Topics in Law -- 4 pts  
Topic not currently offered

\* LAW381 Supervised Legal Research -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

LAW353 Income Taxation Principles -- 4 pts  
Murdoch: SP18-internal

LAW362 Law of Corporate Finance -- 4 pts  
Murdoch: S2-internal

LAW311 International Trade Law -- 4 pts  
Murdoch: WF-internal (full fee-paying)

\* LAW312 Law Moot -- 4 pts  
Murdoch: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)

LAW313 Law Review -- 4 pts  
Murdoch: H-internal (quota of 20 places), Y-internal (quota of 20 places)

LAW314 Moot Court Bench -- 4 pts  
Murdoch: H-internal (quota of 12 places), Y-internal (quota of 12 places)

\* LAW315 Willem C Vis International Commercial Arbitration Moot -- 4 pts  
Murdoch: H-internal (quota of 5 places)

LAW327 Refugee Law -- 4 pts  
GENEVA: S2G-internal

LAW328 Trial Advocacy -- 4 pts  
Murdoch: SP23-internal (quota of 30 places)

LAW334 Indonesian Law -- 4 pts  
NA 2011

LAW246 Children and the Law -- 4 pts  
Murdoch: S1-internal

LAW318 International Intellectual Property -- 4 pts  
NA 2011

LAW345 Succession Law -- 4 pts  
NA 2011

LAW322 Chinese Contract and Commercial Law -- 4 pts  
CITYUHK: S1D-internal

LAW317 Introduction to the Chinese Legal System -- 4 pts  
CITYUHK: S1D-internal

LAW367 Law of Planning -- 4 pts  
NA 2011

LAW361 International Taxation -- 4 pts  
NA 2011

LAW349 Comparative Contract Law -- 4 pts  
NA 2011

LAW348 Mineral and Petroleum Law -- 4 pts  
NA 2011

LAW347 Restrictive Trade Practices Law -- 4 pts  
Murdoch: S2-internal

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## HONOURS IN LAW (LLB(HONS))

### School of Law

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High Distinction.

Please check the online Handbook at a later date.

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## LEGAL STUDIES

### See also:

Criminology  
Law

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## LEGAL STUDIES (BLS)

### School of Law

Bachelor of Legal Studies (BLS)

Course Codes: B1020

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This major will provide students with the knowledge and skills necessary to analyse the dynamic role and function of law in society, to understand legal concepts and language and to develop expertise in legal research and reasoning. Studies will focus on a range of social welfare and dispute resolution issues.

### Employment Prospects:

Employment prospects are varied. The interdisciplinary nature of the degree and the ability of students to undertake double majors or additional minors enhances job prospects in any field with which law has a connection.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Recommended Double Majors:

Criminology (BCrim); Philosophy (BA); Politics and International Studies (BA); Public Policy and Management (BA); Sociology (BA)

### Recommended Minors:

Criminology; Family and Social Welfare Law; International Studies; Journalism; Management; Marketing; Mass Communication; Politics; Social Psychology; Sociology

### Excluded Double Majors:

Juris Doctor (JD); Law (Four-Year Degree) (LLB); Law (LLB) + Other Bachelor Degree

### Excluded Minors:

Legal Studies

**Bachelor of Laws:**

Students who have completed the appropriate units in the BLS at a high standard and are admitted into the Bachelor of Laws will obtain some credit towards that course.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

LEG150 Australian Legal System -- 3 pts  
Murdoch: S1-internal

LEG100 Law, Justice and Social Policy -- 3 pts  
Murdoch: S2-internal

LEG120 Research and Writing -- 3 pts  
Murdoch: S1-internal, S2-internal

LEG153 Introduction to Administrative Law -- 3 pts  
Murdoch: S2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Criminology (BCrim); Philosophy (BA); Politics and International Studies (BA); Public Policy and Management (BA); Sociology (BA).

**Part II - 48 credit points****Core Units - 24 credit points**

Select from the following:

LEG219 Criminal Law in Western Australia -- 4 pts  
Murdoch: S1-internal

LEG223 Social and Welfare Law -- 4 pts  
Murdoch: S2-internal

LEG221 Dispute Resolution -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LEG207 Mediation -- 4 pts  
Murdoch: SP18-internal

LEG208 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LEG3001 Special Topics in Legal Studies -- 4 pts  
Topic not currently offered

SOC262 Sociology of Law -- 4 pts  
Murdoch: S1-internal, S1-external

LEG236 Celtic Law and Society -- 4 pts  
NA 2011

CRM231 Restorative Justice -- 4 pts  
Murdoch: S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites. A list of recommendations may be available from the Law School Office.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double

major(s): Criminology (BCrim); Philosophy (BA); Politics and International Studies (BA); Public Policy and Management (BA); Sociology (BA).

**HONOURS IN LEGAL STUDIES (BLS(HONS))****School of Law**

Bachelor of Legal Studies with Honours (BLS(Hons))

Course Codes: H1217

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Law School Office before application to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 4 credit points**

LEG430 Legal Studies Honours Seminar -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Elective Units - 8 credit points**

Select from the following:

LEG4101 Honours Topic in Legal Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

LEG4102 Honours Topic in Legal Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

LEG4103 Honours Topic in Legal Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

LEG4109 Honours Thesis in Legal Studies -- 12 pts  
Murdoch: S1-internal, Y-internal

**MANAGEMENT****See also:**

Biotechnology + Commerce  
Commerce

**MANAGEMENT (BCom)****Murdoch Business School**

Bachelor of Commerce (BCom) in Management

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

'Management' refers to the process of employing resources to achieve customer needs. Traditionally, the study of management was concerned with the four functions of planning, organising, directing and controlling. Although these functions are vital for the well-being of organisations, contemporary workplaces are highly dynamic and they bring a new set of challenges to management.

The study of management explores a wide range of relevant issues, theories and perspectives to better prepare people to understand the complexities and responsibilities of managerial life in the twenty-first century.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Human Resource Management (BCom); Marketing (BCom)

**Recommended Minors:**

Entrepreneurship and Innovation

**Excluded Minors:**

Employment Relations; Management

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Human Resource Management (BCom); Marketing (BCom).

**Part II - 48 credit points**

**Core Units - 24 credit points**

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS228 Workplace Law -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS378 Knowledge and Organisational Learning -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

BUS317 Strategic Management -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS323 International Management -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Human Resource Management (BCom); Marketing (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business

Learning -- 4 pts

Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

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## HONOURS IN MANAGEMENT (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Management

Course Codes: H1205

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Units - 12 credit points

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

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## MARINE SCIENCE

#### See also:

Environmental Science

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### MARINE SCIENCE (BSC)

#### School of Biological Sciences and Biotechnology

Bachelor of Science (BSc) in Marine Science

Course Codes: B1041

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Marine Science major aims to provide specialised knowledge enabling students to understand the complex physical and biological interactions within the ocean, to gain an ability to assess the state of the marine environment, and to be able to predict the consequences of future disturbances to this environment.

The major will provide skills to apply the knowledge gained towards environmental management, with an emphasis on coastal systems. A number of units deal specifically with coastal management issues, oceanography and marine pollution.

#### Employment Prospects:

Through a combination of required and elective units, students can direct their studies towards employment opportunities in marine environmental management, fisheries, aquaculture, the offshore oil and gas industry, tourism and recreation, marine biotechnology, biodiversity conservation and marine ecology.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have undertaken TEE Chemistry or Chemistry 3A/3B and at least TEE Discrete Mathematics or Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Students undertaking units in Marine Science will not be required to kill any vertebrate animal but they will be required to work with fresh tissue from dead animals in certain units.

#### Recommended Double Majors:

Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Tourism (BTour)

**Recommended Minors:**

Animal Biology; Applied Statistics; Conservation Biology; Ecosystem Management; Environmental Issues; Fisheries Science; Marine Biology; Mathematical Modelling; Molecular Biology; Plant Biology; Pollution Science

**Main Research Areas:**

Marine biology and ecology, fisheries science, air-sea interaction, coastal and marine management, environmental management, pollution, marine conservation, marine biotechnology, hydrodynamics.

**Course Commencement:**

Students are advised that a Semester 1 intake is preferred. A Semester 2 start will require 3.5 years to complete.

**Course Structure - 72 credit points****Course Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students need to have completed one of the following within the past three years:

Mathematics 2C/2D with a final scaled score of 55 percent or more

OR

TEE Calculus with a final scaled score of 55 percent or more

OR

TEE Applicable Mathematics and Year 11 Introduction to Calculus with a final scaled score of 55 percent or more

OR

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO180 Introduction to Marine Biology -- 3 pts  
Murdoch: S2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Tourism (BTour).

**Part II - 48 credit points****Core Units - 28 credit points**

BIO261 Animal Diversity -- 4 pts  
Murdoch: S1-internal

BIO287 Plant Diversity (Marine Science) -- 4 pts  
Murdoch: S1-internal

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external

ENV213 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV282 Oceanography and Marine Pollution -- 4 pts  
Murdoch: S2-internal (quota of 60 places)

BIO384 Marine and Estuarine Biology -- 4 pts  
Murdoch: S1-internal

ENV381 Coastal and Marine Management -- 4 pts  
Murdoch: S2-internal (quota of 60 places)

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Conservation and Wildlife Biology (BSc); Environmental Science (BEnvSc, BSc); Tourism (BTour).

**HONOURS IN MARINE SCIENCE  
(BSC(HONS))****School of Biological Sciences and Biotechnology**

Bachelor of Science with Honours (BSc(Hons)) in Marine Science

Course Codes: H1039

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Employment Prospects:**

Employment opportunities exist in marine environmental management, fisheries, aquaculture, the offshore oil and gas industry, tourism and recreation, marine biotechnology, biodiversity conservation and marine ecology.

**Admission Requirements (Onshore):**

Completion of a degree in Science, Engineering or appropriate field. Students interested in enrolling in Honours are advised to contact the Honours Academic Chair before application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Main Research Areas:**

Marine biology and ecology, fisheries science, air-sea interaction, coastal and marine management, environmental management, pollution, marine conservation, marine biotechnology, hydrodynamics.

**Course Structure - 24 credit points**

**For Biological Sciences Students**

**Thesis - 24 credit points**

BIO4069 Honours Thesis in Marine Science -- 24 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**For Environmental Science Students**

**Coursework - 4 credit points**

ENV523 Environmental Science Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

**Thesis - 20 credit points**

ENV4069 Honours Thesis in Marine Science -- 20 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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**MARKETING AND MARKETING MANAGEMENT**

**See also:**

Biotechnology + Commerce  
Public Relations

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**MARKETING (BCOM)**

**Murdoch Business School**

Bachelor of Commerce (BCom) in Marketing

Course Codes: B1003; B1003A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUJ'] (internal) (by formal agreement) (language of instruction: English)
- SMA Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

Marketing is an essential role in all public and commercial organisations. Organisations manage their marketing activities to create customer satisfaction by building value relationships. Marketing identifies customer needs and wants, determines which target markets the organisation can best serve, and develops and manages the appropriate products, services and strategies to satisfy that market.

Studying Marketing provides students with an understanding of marketing theory by practical applications of the marketing exchange processes using Product Development and Planning, Pricing Strategies, Integrated Marketing Communications and Distribution Channel Management.

**Employment Prospects:**

Students are often surprised to find how broadly applicable marketing can be to a variety of occupations. Marketing is relevant not only to manufacturing companies, wholesalers and retailers but to every organisation. Lawyers, accountants, physicians and management consultants are increasingly using marketing ideas to expand their practices. Anyone involved in an exchange process would benefit from a unit in marketing.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

**Recommended Double Majors:**

Human Resource Management (BCom); Management (BCom)

**Recommended Minors:**

Public Relations

**Excluded Double Majors:**

Marketing and the Media (BMM)

**Excluded Minors:**

Marketing

**Professional Recognition:**

Australian Marketing Institute.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Human Resource Management (BCom); Management (BCom).

**Part II - 48 credit points****Core Units - 16 credit points**

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal  
SGP1: T2B-internal

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T2A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

BUS335 Marketing Research and Analysis -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

**Specified Electives - 8 credit points**

Select from the following:

BUS336 Integrated Marketing Communications -- 4 pts  
Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T2B-internal

BUS305 Digital Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal

BUS321 International Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

BUS339 Advertising Production -- 4 pts  
Murdoch: S1-internal

BUS324 Services Marketing -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS208 Quantitative Methods for Business and Economics -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N1-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Human Resource Management (BCom); Management (BCom).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)  
This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

**Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.



## HONOURS IN MARKETING (BCOM(HONS))

### Murdoch Business School

Bachelor of Commerce with Honours (BCom(Hons)) in Marketing

Course Codes: H1206

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

#### Coursework - 12 credit points

##### Core Units - 12 credit points

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

#### Thesis - 12 credit points

BUS4019 Honours Thesis in Commerce -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## MARKETING AND THE MEDIA

### MARKETING AND THE MEDIA (BMM)

#### Murdoch Business School

Bachelor of Marketing and the Media (BMM)

Course Codes: B1142

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

This major provides students with a unique combination of skills and knowledge from the related areas of marketing and communications, two areas of critical importance in a commercial environment.

Marketing examines the processes of exchange of services and goods between individuals and organisations. In particular, marketing examines the needs and wants of groups of consumers and how to provide for those needs and wants in the most effective

and efficient manner.

Communication through the media, that is radio, television, film and print, is crucial to the marketing process. Students will gain a critical understanding of communication policies, of the historical, social, and textual aspects of popular culture and of media audiences.

#### Employment Prospects:

Graduates of this course will be well suited to careers in marketing, advertising, and public relations for both private and public organisations in many branches of society.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Students undertaking this course will be subject to additional academic progress rules, as seen at the end of the course structure.

#### Excluded Double Majors:

Marketing (BCom); Online Communication and Production (BMedia); Public Relations (BCommun)

#### Excluded Minors:

Marketing; Public Relations

#### Professional Recognition:

Australian Marketing Institute.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 12 credit points

MCC108 Introduction to Communication and Media -- 3 pts  
Murdoch: S1-internal, S1-external

MCC107 Introduction to Public Relations -- 3 pts  
Murdoch: S2-internal, S2-external

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal

##### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

#### Part II - 48 credit points

##### Core Units - 24 credit points

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
SGP1: T2B-internal

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external  
SGP1: T2B-internal

BUS336 Integrated Marketing Communications -- 4 pts  
Murdoch: S1-internal  
SGP1: T2B-internal

MCC307 Campaign Management -- 4 pts  
Murdoch: S2-internal  
SGP1: T1B-internal, T3B-internal

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal  
SGP1: T1B-internal, T3B-internal

MCC204 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal  
SGP1: T1B-internal

### **Specified Electives - 12 credit points**

Select at least one unit from the Marketing list and at least one unit from the Media list below:

#### **Marketing**

BUS324 Services Marketing -- 4 pts  
Murdoch: S2-internal  
SGP1: T1B-internal, T3B-internal

BUS321 International Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal  
SGP1: T1B-internal, T3B-internal

BUS305 Digital Marketing -- 4 pts  
Murdoch: S1-internal, S2-internal

BUS339 Advertising Production -- 4 pts  
Murdoch: S1-internal

#### **Media**

MCC246 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T2B-internal

MCC236 Media Audiences and the Public -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T1B-internal, T3B-internal

MCC345 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal  
SGP1: T2B-internal

MCC213 Communication Research -- 4 pts  
Murdoch: S2-internal, S2-external  
SGP1: T2B-internal

### **General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

### **Additional Academic Progress Requirements**

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## **HONOURS IN MARKETING AND THE MEDIA (BMM(HONS))**

### **Murdoch Business School**

Bachelor of Marketing and the Media with Honours (BMM(Hons))

Course Codes: H1160

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop the ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to first contact the MBS Honours Coordinator to discuss supervision and course entry requirements.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 12 credit points**

BUS4011 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4012 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

BUS4013 Advanced Honours Topic in Commerce -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

BUS4039 Honours Thesis in Marketing and the Media -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**MATHEMATICS AND STATISTICS****MATHEMATICS AND STATISTICS (BSC)****School of Chemical and Mathematical Sciences**

Bachelor of Science (BSc) in Mathematics and Statistics

Course Codes: B1043

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The focus of the Mathematics and Statistics major is on mathematical and statistical training for future employment in business, industry or government. Students may concentrate on mathematical modelling, with special emphasis given to methods and applications in the life and environmental sciences and engineering, or on applied statistics, with emphasis on methods and applications in the life and health sciences (biostatistics), the environment, commerce and industry, or students may wish to combine units from both areas. The major is designed to produce practical mathematicians and statisticians with a flexible outlook, a mix of technical skills, and an awareness of the modern uses of mathematics and statistics.

**Employment Prospects:**

This major trains students for future employment in banking, insurance, research and development, industry and government, in the computing, industrial mathematics, statistics and biostatistics areas. It provides an excellent preparation for careers in law, the health sciences, teaching and engineering when combined with studies in those areas. A shortage of numerate graduates makes mathematics and statistics graduates highly employable.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students completing the major externally should note that access to a suitable computer and software packages is required for some of the units.

**Recommended Double Majors:**

Biological Sciences (BSc); Biomedical Science (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon); Education (BEd) [Early Childhood and Primary Teaching] (Four Years); Education (BEd) [Primary Teaching] (Four Years); Education (BEd) [Secondary Teaching] (Four Years); Engineering (BE); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Physics and Nanotechnology (BSc); Psychology (BPsych, BA)

**Excluded Minors:**

Applied Statistics [unless appropriate units are selected];  
Mathematical Modelling [unless appropriate units are selected]

**Main Research Areas:**

Biostatistics, experimental design, fluid mechanics, harmonic analysis, industrial modelling, numerical analysis, robust statistics, signal processing.

**Course Structure - 72 credit points****Course Prerequisites****Mathematics Background**

Students who have not achieved a final grade of Satisfactory in Mathematics Specialist 3C/3D may need to complete up to two prerequisite units depending on their mathematics background.

Mathematics 3C/3D and Mathematics Specialist 3C/3D

OR

Mathematics 3C/3D

and

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

Mathematics 2C/2D

and

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

and

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

MAS167 Computational Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Biomedical Science (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon); Education (BEd) [Early Childhood and Primary Teaching] (Four Years); Education (BEd) [Primary Teaching] (Four Years); Education (BEd) [Secondary Teaching] (Four Years); Engineering (BE); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Physics and Nanotechnology (BSc); Psychology (BPsych, BA).

**Part II - 48 credit points****Core Units - 24 credit points**

Select at least 12 points from the following units, paying regard to planned 300-level unit choices:

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

MAS278 Probability and Statistical Inference -- 4 pts  
Murdoch: S1-internal, S1-external

Either

MAS230 Biostatistical Methods -- 4 pts  
Murdoch: S2-internal, S2-external

OR

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

plus at least 12 points from the following:

MAS305 Environmental and Biological Modelling -- 4 pts  
Murdoch: S1-internal, S1-external

MAS368 Time Series and Multivariate Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

MAS374 Statistical Design and Data Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

MAS375 Modelling and Simulation -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Biomedical Science (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon); Education (BEEd) [Early Childhood and Primary Teaching] (Four Years); Education (BEEd) [Primary Teaching] (Four Years); Education (BEEd) [Secondary Teaching] (Four Years); Engineering (BE); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Physics and Nanotechnology (BSc); Psychology (BPsych, BA).

**HONOURS IN MATHEMATICS AND STATISTICS (BSC(HONS))****School of Chemical and Mathematical Sciences**

Bachelor of Science with Honours (BSc(Hons)) in Mathematics and Statistics

Course Codes: H1041

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (subject to approval of Academic Chair)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students intending to study Honours should consult the Academic Chair about the selection of their Part II electives as some are prerequisites for particular Honours topics, and to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points**

MAS4011 Honours Topic in Mathematics and Statistics -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS4012 Honours Topic in Mathematics and Statistics -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS4013 Honours Topic in Mathematics and Statistics -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Thesis - 12 credit points**

MAS4019 Honours Thesis in Mathematics and Statistics -- 12 pts  
Murdoch: S1-internal, S2-internal

**MINERAL SCIENCE****MINERAL SCIENCE (BSC)****School of Chemical and Mathematical Sciences**

Bachelor of Science (BSc) in Mineral Science

Course Codes: B1044

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Mineral extraction processes bridge science and engineering disciplines. Mineral scientists focus on the fundamental science of these processes. A Mineral Science degree offers the opportunity to train in interdisciplinary sciences by taking units in cognate disciplines.

This degree also caters for students with interests in mineral science, who wish to meet the requirements of double major degrees with Chemistry, Environmental Science, or other disciplines such as Law and Management or to continue towards a Bachelor of Extractive Metallurgy degree.

**Employment Prospects:**

Graduates can expect to find employment in mineral processing and metal extraction plants throughout Australia and overseas as plant and project metallurgists, mill superintendents, operations managers, consultants and researchers.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

Students entering the major with weak backgrounds in chemistry, mathematics or physics are likely to take more than one year to complete the Part I required units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students studying externally are required to attend on-campus laboratory sessions for the laboratory-based units and these usually take the form of three- to five-day intensive sessions in non-teaching breaks.

**Recommended Double Majors:**

Chemistry (BSc) [double major with Mineral Science (BSc)];  
Environmental Science (BEnvSc, BSc) [double major with Mineral Science (BSc)]

**Excluded Double Majors:**

Extractive Metallurgy (BExtMet)

**Professional Recognition:**

Graduates, after gaining experience in the mineral industry, are eligible for professional membership of the Australasian Institute of Mining and Metallurgy.

**Main Research Areas:**

Hydrometallurgy, mineral processing, pyrometallurgy, process mineralogy, mineral chemistry.

**Course Structure - 72 credit points**

**Course Prerequisites**

**Chemistry Background**

Students may need to complete prerequisite units depending on their background in chemistry and their final scaled score in Chemistry 3A/3B/ within the past three years.

Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry studies not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students may need to complete prerequisite units depending on their background in mathematics. Students who have a C grade or higher achievement in Mathematics: Specialist 3C/3D may be exempted from MAS182 Applied Mathematics and require no bridging units. Students with a C grade or higher achievement in Mathematics 3C/3D should complete MAS182 Applied Mathematics and require no additional bridging units. If students do not have either of the above, they should complete:

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in Physics 3A/3B within the past three years.

Physics 3A/3B with a final scaled score of 60 percent or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 18 credit points**

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

EXM130 Introduction to Earth Sciences -- 3 pts  
Murdoch: S1-internal, S1-external

EXM131 Introduction to Extractive Metallurgy -- 3 pts  
Murdoch: S2-internal, S2-external

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 3 credit points**

Students are encouraged to enrol in ENG141 Design Concepts in Science and Engineering -- 3 pts [Murdoch: S1-internal] as a General Elective at Part I to facilitate the option of transferring to the four-year BExtMet course at a later date.

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Chemistry (BSc) [double major with Mineral Science (BSc)]; Environmental Science (BEnvSc, BSc) [double major with Mineral Science (BSc)].

Recommended for students considering transfer to the four-year Bachelor of Extractive Metallurgy:

ENG141 Design Concepts in Science and Engineering -- 3 pts  
Murdoch: S1-internal

**Part II - 48 credit points**

**Core Units - 36 credit points**

**Year 2**

EXM224 Principles of Unit Operations -- 4 pts  
Murdoch: S1-internal, S1-external

PEC247 Chemical Processes -- 4 pts  
Murdoch: S1-internal, S1-external

PEC201 Thermodynamics -- 4 pts  
Murdoch: S2-internal, S2-external

EXM256 Process Mineralogy -- 4 pts  
Murdoch: S2-internal, S2-external

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

**Year 3**

EXM301 Mineral Processing -- 4 pts  
Murdoch: S1-internal, S1-external

EXM302 Advanced Mineral Processing -- 4 pts  
Murdoch: S2-internal, S2-external

EXM357 Extractive Metallurgy -- 4 pts  
Murdoch: S2-internal, S2-external

PEC312 Materials Chemistry -- 4 pts  
Murdoch: S1-internal, S1-external

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Chemistry (BSc) [double major with Mineral Science (BSc)]; Environmental Science (BEnvSc, BSc) [double major with Mineral Science (BSc)].

Recommended for students considering transfer to the four-year Bachelor of Extractive Metallurgy:

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

and

ENG267 Control Systems and Process Dynamics -- 4 pts  
Murdoch: S2-internal, W-internal

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## HONOURS IN MINERAL SCIENCE (BSC(HONS))

**School of Chemical and Mathematical Sciences**

Bachelor of Science with Honours (BSc(Hons)) in Mineral Science

Course Codes: H1043

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

Students who have completed the three year BSc (Mineral Science) major may enrol in this Honours year. The Honours year is used to extend a student's grasp of the principles and practice of mineral science by undertaking a rigorous, research-based project. Mentoring by a member of staff enables Honours students to develop the ability for creative, independent research. Students are expected to be involved in the entire research process from concept through to writing and presenting the data obtained, along the way developing skills in advanced chemical technique, project management, high-level problem solving and communication of research findings to peers.

Successful completion of the Honours course is required for admission to research degrees (i.e. Masters or PhD degrees).

**Admission Requirements (Onshore):**

Completion of a three-year degree in mineral science, extractive metallurgy, or other related field approved by the Academic Chair.

Students interested in enrolling in Honours are advised to contact the Academic Chair to discuss supervision of their potential research project before submitting an application.

English competence.

Applications can be made online at

<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

Students will undertake a major research project and thesis on a topic related to hydrometallurgy, pyrometallurgy or mineral processing and some advanced coursework.

**Coursework - 8 credit points**

PEC476 Literature Review -- 4 pts  
Murdoch: S1-internal, S2-internal

One unit at 200- to 400-level, chosen in consultation with student's supervisor and subject to approval of the Honours Subcommittee -- 4 pts

**Thesis - 16 credit points**

EXM4039 Honours Thesis in Mineral Science -- 16 pts  
Murdoch: H-internal, Y-internal

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## MISCELLANEOUS

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### DOUBLE DEGREE FIVE YEAR

**Division of Academic Affairs**

Course Codes: B1281

Duration: 5 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is intended to accommodate students who need to be formally enrolled in a double degree structure rather than registered with the University as intending to complete the requirements of two courses and two awards on completion. Students in the course must enrol in the two primary majors which reflect the courses they will complete. Students who require enrolment in this course must apply for transfer. For further information, students should refer to individual course entries.

**Admission Requirements (Onshore):**

Direct admission is not available.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Course Structure - 120 credit points**

Please refer to individual course structures.

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### DOUBLE DEGREE FOUR YEAR

**Division of Academic Affairs**

Course Codes: B1280

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is intended to accommodate students who need to be formally enrolled in a double degree structure rather than registered with the University as intending to complete the requirements of two courses and two awards on completion. Students in the course must enrol in the two primary majors which reflect the courses they will complete. Students who require enrolment in this course must apply for transfer.

For further information, students should refer to individual course entries.

**Admission Requirements (Onshore):**

Direct admission is not available.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Course Structure - 96 credit points**

Please refer to individual course structures.

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## MOLECULAR BIOLOGY

**See also:**

Biological Sciences

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### MOLECULAR BIOLOGY (BSC)

**School of Biological Sciences and Biotechnology**

*Bachelor of Science (BSc) in Molecular Biology*

Course Codes: B1139

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Molecular Biology is concerned with the structure and function of genetic material, the organisation and expression of genes and with the techniques of genetic engineering. These techniques have widespread application in agriculture (production of disease resistant crops; enhancement of the nutritive value of plant and animal products), in medicine (production of vaccines; treatment of genetic diseases; understanding the molecular basis of cancer), in forensic science (DNA profiling) and in conservation biology (control of feral animals; generation of disease resistance in plants and animals).

From the perspective of the fundamental disciplines of biochemistry and microbiology, the Molecular Biology major provides in-depth study of modern molecular genetics and introduces students to the scientific techniques associated with gene manipulation. Students are also provided with an opportunity to explore the ethical considerations relevant to gene transfer technology.

Students contemplating careers in medical research are strongly recommended to undertake a Molecular Biology/Biomedical Science double major.

**Employment Prospects:**

Molecular biologists are in high demand in hospitals, research organisations such as the CSIRO and medical research centres, university and agriculture departments and in biotechnology and food processing companies.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. There are no prerequisites for admission but it is highly desirable for students to have studied TEE Chemistry or Chemistry 3A/3B and at least Discrete Mathematics or Mathematics 2C/2D.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students undertaking units in Molecular Biology will not be required to kill any vertebrate animal but they will be required to

work with fresh tissue from dead animals in certain units.

**Recommended Double Majors:**

Biological Sciences (BSc); Biomedical Science (BSc); Biotechnology (BSc); Conservation and Wildlife Biology (BSc); Forensic Biology and Toxicology (BForensics)

**Recommended Minors:**

Animal Biology; Applied Statistics; Biomedical Science; Conservation Biology; Forensic Biology; Infection and Immunity; Marine Biology; Nutritional Biochemistry; Physiology and Pharmacology; Plant Biology

**Excluded Minors:**

Forensic Biology; Molecular Biology

**Course Structure - 72 credit points**

**Course Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry or in Chemistry 3A/3B within the past three years.

TEE Chemistry or Chemistry 3A/3B with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Biomedical Science (BSc); Biotechnology (BSc); Conservation and Wildlife Biology (BSc); Forensic Biology and Toxicology (BForensics).

**Part II - 48 credit points**

**Core Units - 24 credit points**

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO372 Genetics and Evolution -- 4 pts  
Murdoch: S2-internal

BIO316 Molecular Genetics -- 4 pts  
Murdoch: S1-internal

BIO263 Microbiology I -- 4 pts  
Murdoch: S1-internal

OR

BMS203 Comparative and Human Microbiology -- 4 pts  
Murdoch: S2-internal

BIO270 Biochemistry I -- 4 pts  
Murdoch: S2-internal

OR

BMS261 Human and Comparative Biochemistry -- 4 pts  
Murdoch: S1-internal

BIO371 Biochemistry II -- 4 pts  
Murdoch: S2-internal

OR

BIO364 Microbiology II -- 4 pts  
Murdoch: S1-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Biological Sciences (BSc); Biomedical Science (BSc); Biotechnology (BSc); Conservation and Wildlife Biology (BSc); Forensic Biology and Toxicology (BForensics).

**HONOURS IN MOLECULAR BIOLOGY (BSC(HONS))****School of Biological Sciences and Biotechnology**

Bachelor of Science with Honours (BSc(Hons)) in Molecular Biology

Course Codes: H1151

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Honours Academic Chair before application to discuss supervision of their potential research.

Those students with an interest in the medical applications of molecular biology are encouraged to participate in the hospital-based Clinical Honours Program. For more details on this option contact the Academic Chair.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Thesis - 24 credit points**

Full-time students will be enrolled in:

BIO4089-12 Honours Thesis in Molecular Biology -- 12 pts  
NA 2011

Plus a further enrolment in:

BIO4089-12 Honours Thesis in Molecular Biology -- 12 pts  
NA 2011

**NURSING****NURSING (BNURS)****School of Nursing and Midwifery**

Bachelor of Nursing (BNurs)

Course Codes: B1263

Restriction: Enrolment in this course is subject to restriction.

Duration: The qualification is equivalent to 3.5 years full-time study but completed in 3 calendar years through Winter and Summer term study; part-time enrolment is available, but students must complete within 6 years to be eligible for Nursing registration

**Availability:**

- Peel campus (internal)

This course will prepare graduates for registration as Comprehensive Registered Nurses within Australia and elsewhere, and allow professional practice in a variety of clinical settings. The course centres learning on the concept of a professional therapeutic nurse/client relationship and takes into account individual, contextual and modifying factors in understanding and planning nursing care. Early studies emphasise the need for a good understanding of nursing and biosciences, as these are foundational for later studies which focus on the complexities of competence and knowledge required of caring health professionals. Extensive workplace consolidation of theory to practice and experiential learning opportunities will be features of the course in developing highly competent and sought after graduates.

Students will be required to participate in clinical placements in a variety of locations within the Peel Region, Perth Metropolitan area and regional Western Australia.

**Employment Prospects:**

There is a shortage of registered nurses nationwide. A strong professional training in the essential areas of general and mental health nursing for clients of all ages across the life span will facilitate job selection in Australia and many overseas countries where Australian nurses are sought.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements, plus a clear National Police Clearance. Recommended subjects: Human Biological Science 3A/3B, Mathematics 2A/2B, English and Chemistry 3A/3B.



International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.5.

### **Special Requirements:**

A clear National Police Clearance is required as well as a level of health suitable to meet the requirements of such a course and to meet safe nursing practice. On commencement, students will be required to obtain serology results for Measles, Mumps, Rubella, Varicella, Hepatitis B, MRSA and Tuberculosis (mantoux test). They will also be required to be vaccinated against Tetanus, Diphtheria and Pertussis. Students will be required to provide copies of a current CPR certificate, Working with Children Card, Department of Health WA Criminal Screening Card and Manual Handling Certificate.

### **Professional Recognition:**

Graduates from this course will be eligible to apply to the Nurses and Midwives Board of Western Australia for registration in the category of Registered Nurse (Comprehensive). At point of application to the Nurses and Midwives Board of Western Australia, graduates will need to provide proof of having met an IELTS score of at least 7 in each band, if their primary or secondary education took place in a country where English is not the native language. Results from tests completed more than two (2) years prior to application for registration will not be accepted. Students should note that the course must be completed within six years of commencement to be eligible for registration.

### **Main Research Areas:**

Nursing principles and practice.

### **Alternative Entry Pathways:**

An alternative entry pathway exists via the Nursing (Combination) from Challenger TAFE (Peel). This pathway will provide applicants with advanced standing once they enter the Bachelor of Nursing. Indigenous students also may enter via the Koort Mooditj (Strong Heart) Pre-Nursing course. Enrolled Nurses may enter the course.

## **Course Structure - 84 credit points**

### **Part I - 27 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 24 credit points**

NUR101 Fundamentals of Cell Function -- 3 pts  
Peel: S1-internal

NUR102 Nursing Bioscience I -- 3 pts  
Peel: S2-internal

NUR104 Nursing Bioscience II -- 3 pts  
Peel: S2-internal

NUR100 Introduction to the Nursing Profession -- 3 pts  
Peel: S1-internal

NUR127 Introduction to Mental Health -- 3 pts  
Peel: S2-internal

NUR128 Introduction to Mental Health -- Clinical Placement -- 1 pts  
Peel: SUM-external

NUR110 Introduction to the Nursing Profession -- Clinical Placement -- 1 pts  
Peel: W-external

NUR105 Health and Physical Assessment -- 3 pts  
Peel: S2-internal

NUR115 Health and Physical Assessment - Clinical Placement -- 1 pts  
Peel: SUM-external

NUR103 Holistic Nursing -- 3 pts  
Peel: S1-internal

### **Part II - 57 credit points**

#### **Core Units - 57 credit points**

NUR201 Fundamentals of Pathophysiology and Pharmacology I -- 4 pts  
Peel: S1-internal

NUR202 Fundamentals of Pathophysiology and Pharmacology II -- 4 pts  
Peel: S2-internal

NUR203 Medical and Surgical Nursing I -- 4 pts  
Peel: S1-internal

NUR223 Medical and Surgical Nursing I -- Clinical Placement -- 1 pts  
Peel: W-external

NUR205 Medical and Surgical Nursing II -- 4 pts  
Peel: S2-internal

NUR225 Medical and Surgical Nursing II -- Clinical Placement -- 1 pts  
Peel: SUM-external

NUR206 Mental Health Nursing -- 4 pts  
Peel: S1-internal

NUR234 Indigenous Culture and Health Care -- 4 pts  
Peel: S2-internal

NUR226 Mental Health Nursing -- Clinical Placement -- 1 pts  
Peel: W-external

NUR301 Family and Community Health -- 4 pts  
Peel: S1-internal

NUR331 Family and Community Health - Clinical Placement -- 1 pts  
Peel: W-external

NUR302 Maternal and Newborn Health -- 4 pts  
Peel: S1-internal

NUR309 Contemporary Nursing Management in Health Care -- 4 pts  
Peel: DE9-internal

NUR336 Transition and Leadership in the Nursing Profession -- 4 pts  
Peel: DE9-internal

NUR305 Nursing Specialties -- 4 pts  
Peel: DE9-internal

NUR303 Children and Adolescent Health -- 4 pts  
Peel: S1-internal

NUR335 Nursing Specialties -- Clinical Placement -- 1 pts  
Peel: DE9-external

\*NUR398 Clinical Practice Transition Options -- 2 pts  
NA 2011

\*NUR3321 Maternal and Newborn Health -- Clinical Placement -- 2 pts  
NA 2011

OR

\*NUR3331 Children and Adolescent Health - Clinical Placement -- 2 pts  
NA 2011

\*Students enrolled in this course pre-2010 will be required to enrol in all of the following:

NUR3981 Clinical Practice Transition Options -- 1 pts  
Peel: DE9-external

NUR332 Maternal and Newborn Health -- Clinical Placement -- 1 pts  
Peel: W-external

NUR333 Children and Adolescent Health - Clinical Placement -- 1 pts  
Peel: W-external

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## **NURSING CONVERSION (BNURSCONV)**

### **School of Nursing and Midwifery**

Bachelor of Nursing Conversion (BNursConv)

Course Codes: B1293

Restriction: Enrolment in this course is subject to restriction.

Duration: 1 year full-time (2 semesters and 1 summer teaching period) or part-time equivalent

#### **Availability:**

- Peel campus (internal)

This degree provides practising Registered Nurses the opportunity to obtain an undergraduate qualification and prepares them to progress to postgraduate studies. It is also suitable for domestic out of practice nurses (more than five years), and overseas-trained nurses seeking registration in Western Australia.

Students who are currently registered to practice in an overseas country will additionally benefit from studies on nursing within an Australian context.

#### **Employment Prospects:**

Registered Nurses with advanced knowledge and skills in nursing leadership, cultural and Indigenous health care, teaching, research and management are well placed to contribute effectively to the multidisciplinary team in a changing and evolving health care system.

There is a global shortage of registered nurses and Australia is also affected by this. The knowledge and skills gained through this course, particularly that of Australian contemporary practice, will position graduates well for employment in Australia and many overseas countries where Australian nurses are sought.

#### **Admission Requirements (Onshore):**

Australian applicants or those with permanent resident status are required to be currently registered with the Nurses and Midwives Board of Australia (NMBA), or for those out of practice, a NMBA assessment and letter of eligibility to undertake the course must be provided.

International students must have completed a three-year post-secondary professional nurse education program and provide registration documentation/certificate and evidence of completion of a minimum of one year of full-time practice.

A NMBA assessment and letter of eligibility is required before entering the course in order to obtain Board registration.

International students not intending to seek registration from the NMBA need to satisfy all the above requirements but do not need to provide a NMBA assessment and letter of eligibility to undertake the course.

International students demonstrating English competence via Academic IELTS need a score of 7.0, with no individual band less

than 7.0.

#### **Special Requirements:**

A Police clearance is required as well as a level of health suitable to meet the requirements of such a course and to meet safe nursing practice. On commencement, students will be required to obtain serology results for measles, Mumps, Rubella, Varicella, Hepatitis B, MRSA and tuberculosis (mantoux test). They will also be required to be vaccinated against Tetanus, Diphtheria and Pertussis. Students will be required to provide copies of a current CPR certificate, Working with Children Card, National Police Certificate and Department of Health WA Criminal Screening Card.

#### **Professional Recognition:**

Completion of the Nursing Conversion course will allow graduates to be eligible to apply to the Nurses and Midwives Board of Australia (NMBA) for registration in the category of Registered Nurse. A NMBA assessment and letter of eligibility is required before entering the course in order to obtain Board registration.

Registration with the NMBA requires an IELTS academic score of at least 7.0 in all bands; this score is initially covered by the course's Admission Requirements, but note that IELTS scores are valid for two years only. Students must arrange for a current IELTS result prior to application for registration with the NMBA. Results from tests completed more than two (2) years prior to application for registration will not be accepted.

#### **Main Research Areas:**

Contemporary Nursing.

## **Course Structure - 34 credit points**

### **Core Units - 34 credit points**

NUR208 Holistic Developmental Health Assessment -- 4 pts  
Peel: S1-internal

NUR206 Mental Health Nursing -- 4 pts  
Peel: S1-internal

NUR201 Fundamentals of Pathophysiology and Pharmacology I -- 4 pts  
Peel: S1-internal

NUR229 Evidence Based Enquiry, Law and Ethics -- 4 pts  
Peel: S1-internal

NUR226 Mental Health Nursing -- Clinical Placement -- 1 pts  
Peel: W-external

NUR234 Indigenous Culture and Health Care -- 4 pts  
Peel: S2-internal

NUR202 Fundamentals of Pathophysiology and Pharmacology II -- 4 pts  
Peel: S2-internal

NUR205 Medical and Surgical Nursing II -- 4 pts  
Peel: S2-internal

NUR336 Transition and Leadership in the Nursing Profession -- 4 pts  
Peel: DE9-internal

NUR322 Medical and Surgical -- Clinical Placement -- 1 pts  
Peel: SUM-external, W-external

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## **HONOURS IN NURSING (BNURS(HONS))**

### **School of Nursing and Midwifery**

Bachelor of Nursing with Honours (BNurs(Hons))

Course Codes: H1181

Duration: 1 year full-time or part-time equivalent. Commencing Semester 1 only

**Availability:**

- Some units only: Murdoch campus (internal) (one unit only)
- Some units only: Peel campus (internal) (all but one unit)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points**

**Coursework - 8 credit points**

NUR461 Nursing Research Writing -- 4 pts  
Peel: S1-internal, S2-internal

NUR632 Applied Health Research Methods: From Research to Practice -- 4 pts  
Murdoch: S1-internal, S1-external

**Thesis - 16 credit points**

NUR4609 Honours Thesis in Nursing -- 16 pts  
Peel: S1-internal, S2-internal, Y-internal

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## ONLINE COMMUNICATION AND PRODUCTION

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### ONLINE COMMUNICATION AND PRODUCTION (BMEDIA)

**School of Media Communication and Culture**

Bachelor of Media (BMedia) in Online Communication and Production

Course Codes: B1234; B1234A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This course combines an exciting mix of web creation and design, screen production, public relations, and marketing and advertising which arms students with a breadth of theories and skills to create powerful online communicators. Students can create websites and online screen media from within a framework of developing an understanding of how to professionally and successfully express themselves via the internet. It gives students the edge in competing professionally in this still emerging and evolving medium, and is also the perfect double major to add breadth to any desired professional vocation.

**Employment Prospects:**

Project officer (e-Communication); net developer; communications professional; web producer; online marketer; digital strategist; video producer.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Admission Requirements (Offshore):**

As per normal undergraduate admission requirements.

English competence.

**Recommended Double Majors:**

Interactive Digital Design (BDMedia); Journalism (BCommun); Marketing (BCom); Public Relations (BCommun); Screen Production (BMedia)

**Recommended Minors:**

Digital Marketing; Journalism; Marketing; Photography; Public Relations; Screen Production; Sound

**Excluded Double Majors:**

Marketing and the Media (BMM)

**Professional Recognition:**

Murdoch University is a member of the Australian Screen Production Education and Research Association.

**Main Research Areas:**

Online communication; online media production; online marketing and PR.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

MCC107 Introduction to Public Relations -- 3 pts  
Murdoch: S2-internal, S2-external

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MCC118 Visual Communication -- 3 pts  
Murdoch: S2-internal

MCC128 Screen Production I -- 3 pts  
Murdoch: S1-internal (quota of 102 places), S2-internal

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Interactive Digital Design (BDMedia); Journalism (BCommun); Marketing (BCom); Public Relations (BCommun); Screen Production (BMedia).

**Part II - 48 credit points**

**Core Units - 24 credit points**

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external

MCC246 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external

MCC204 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal

MCC340 Digital Content Production -- 4 pts  
Murdoch: S2-internal (quota of 60 places)

MCC312 Media Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC263 Web Design -- 4 pts  
Murdoch: S1-internal

### General Electives - 24 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Interactive Digital Design (BDMedia); Journalism (BCommun); Marketing (BCom); Public Relations (BCommun); Screen Production (BMedia).

### Additional Academic Progress Requirements

All students are expected to make reasonable progress in their studies. Students may be required to meet specific enrolment and progress requirements if they are failing required units in their major(s) or are otherwise having difficulty with units. Where a student fails more than half of the required units attempted in the year or fails required units twice, they could be excluded from the course.

The progress of all students is checked at the end of each semester as follows:

\* Those who fail 50 percent or more points of their enrolment load are recommended to reduce their load in their next semester of enrolment, if possible. In all such cases the student is required to complete successfully at least 50 percent of enrolled points in their next semester of study in order to maintain their place in the course (for example, will be placed on Performance Contract in their next semester of study).

\* Those who subsequently fail to meet their performance contract will be excluded from the course for a period of two semesters, after which time they may apply for readmission to the course.

## PHILOSOPHY

### PHILOSOPHY (BA)

#### School of Social Sciences and Humanities

Bachelor of Arts (BA) in Philosophy

Course Codes: B1094

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Philosophy is the oldest academic discipline and the source from which the natural and human sciences have grown. The love of wisdom and the pursuit of truth are the greatest strength and the highest achievement of the human spirit. The study of philosophy does not always offer answers, but instead teaches us how to ask good questions; without a good question one does not know what counts as a good answer, or where to look for a good answer. This kind of study develops our critical and rational faculties, instils a positive sense of impartiality and fairness in considering the views of others, and fosters a cautious, reflective attitude toward those things whose comprehension may exceed our current opinions and beliefs.

#### Employment Prospects:

Students with a degree in philosophy are very attractive to employers in the public sector, the professions, and business who value the ability to organise and analyse data, and draw clear, sound judgements.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Recommended Double Majors:

English and Creative Writing (BA); Politics and International Studies (BA); Theology (BA); Theology (BTheol)

#### Recommended Minors:

Anthropology; Literature; Politics; Sociology; Theology

#### Excluded Minors:

Ethics; Philosophy

#### Main Research Areas:

Ethics, hermeneutics, history of metaphysics, theories of mind, phenomenology, feminist philosophy.

#### Languages and Writing Skills:

Philosophy students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

### Course Structure - 72 credit points

#### Part I - 24 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### Core Units - 9 credit points

PHL130 Introduction to Philosophy -- 3 pts  
Murdoch: S2-internal, S2-external

PHL131 Critical and Creative Thinking -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

##### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Politics and International Studies (BA); Theology (BA); Theology (BTheol).

#### Part II - 48 credit points

##### Core Units - 12 credit points

Select from the following:

PHL217 Meaning and Interpretation -- 4 pts  
NA 2011

PHL218 Critical Metaphysics -- 4 pts  
Murdoch: S2-internal, S2-external

PHL219 Ethics, Responsibility and Justice -- 4 pts  
Murdoch: S1-internal, S1-external

PHL230 Theories of Mind -- 4 pts  
Murdoch: S2-internal, S2-external

### **Specified Electives - 12 credit points**

Select from the remaining Part II Core unit and the following:

PHL201 Existence and Freedom -- 4 pts  
Murdoch: S2-internal, S2-external

PHL272 Ethics in Practice -- 4 pts  
Murdoch: S2-internal, S2-external

PHL277 Life, Death and Meaning -- 4 pts  
NA 2011

PHL216 Ancient Greek Ideas -- 4 pts  
NA 2011

PHL214 Film and Philosophy -- 4 pts  
Murdoch: S1-internal, S1-external

PHL215 Love and Friendship -- 4 pts  
Murdoch: S1-internal, S1-external

Not more than one unit may be selected from the following:

EGL354 Literary Theory -- 4 pts  
Murdoch: S1-internal

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

THE274 Special Topics in Theology: Life and Death in the Ancient World -- 4 pts  
Murdoch: S1-internal, S1-external

THE281 Hermeneutics -- 4 pts  
Murdoch: S1-internal, S1-external

POL223 Modern Political Thought -- 4 pts  
Murdoch: S2-internal, S2-external

AST212 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): English and Creative Writing (BA); Politics and International Studies (BA); Theology (BA); Theology (BTheol).

## **HONOURS IN PHILOSOPHY (BA(HONS))**

### **School of Social Sciences and Humanities**

*Bachelor of Arts with Honours (BA(Hons)) in Philosophy*

Course Codes: H1104

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for

independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 4 credit points**

PHL469 Honours Dissertation Preliminary -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

##### **Elective Units - 8 credit points**

Select from the following:

PHL4081 Honours Topic in Philosophy -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

PHL4082 Honours Topic in Philosophy -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

#### **Thesis - 12 credit points**

PHL4089 Honours Thesis in Philosophy -- 12 pts  
Murdoch: S1-internal, S2-internal

## **PHYSICS AND NANOTECHNOLOGY**

### **PHYSICS AND NANOTECHNOLOGY (BSC)**

#### **School of Engineering and Energy**

*Bachelor of Science (BSc) in Physics and Nanotechnology*

Course Codes: B1029

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Physics has a long and distinguished history. It underpins our modern technology and can be found at the cutting edge of science in the field of nanotechnology.

The Physics and Nanotechnology major combines an essential core of classical and modern physics with units that provide the background for working in the rapidly developing area of nanoscience. The three-year course covers mechanics and waves, quantum theory, electromagnetism, the physics of materials, applications of nanotechnology and has various physics and nanotechnology projects. Study of these areas provides an understanding of natural processes, energy and materials not just at the macroscopic scale but also at the nanoscopic scale.

Students have the opportunity to extend their analytical and problem solving skills to related disciplines with minors or double majors in areas such as Computer Science, Scientific Measurement,

Sustainable Energy Management, Chemistry, Mathematical Modeling, Mathematics and Statistics, Ocean Science, Environmental Science, or Science Communication. Double degrees with Engineering or Secondary Teaching are also popular.

An additional year of study leads to an Honours degree, offering enhanced employment prospects and is the entry point into a Masters or Doctoral research degree. Several students in this course who have completed nanoscience projects have won awards for Science and Innovation.

**Employment Prospects:**

Graduates find employment in a wide variety of fields including universities, government institutions and private companies in areas such as pure research, research and development, education, quality control, health and medical physics, environmental monitoring, meteorology and astronomy.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements. Students who have not completed the necessary mathematics or physics at WACE-level may be required to complete introductory units in first year.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Computer access with a CD-ROM drive or Internet access is essential. Email is essential.

**Recommended Double Majors:**

Chemistry (BSc); Computer Science (BSc); Education (BEd) [Secondary Teaching] (Four Years); Engineering (BE); Mathematics and Statistics (BSc); Sustainable Energy Management (BSc)

**Recommended Minors:**

Biomedical Science; Computer Science; Energy Studies; Mathematical Modelling; Science Communication

**Excluded Minors:**

Physics and Nanotechnology

**Professional Recognition:**

This degree has been accredited by the Australian Institute of Physics. Students who have completed this degree can apply to the Academic Chair for membership to the Australian Institute of Physics and the Institute of Physics (UK).

**Main Research Areas:**

Renewable energy, surface physics, thin films, and nanotechnology with applications in medicine, resources, environment and energy.

**Course Structure - 72 credit points**

**Course Prerequisites**

**Mathematics Background**

Students may need to complete up to two prerequisite units depending on their background in mathematics and their final scaled score in Mathematics Specialist units 3A/3B/3C/3D or the equivalent Applicable Mathematics and Calculus within the past three years.

Students need to pass Mathematics: Specialist 3A/3B/3C and 3D

OR

TEE Calculus with a final scaled score of 55 percent or more

OR

Pass Mathematics 3A, 3B, 3C, 3D

and

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

and

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in TEE Physics within the past three years.

Students need to pass Physics 3A, 3B, 3C and 3D

OR

TEE Physics with a final scaled score of 60% or more

OR

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
(Students who have not completed Physics 3A/3B will be required to undertake PEC120 General Physics -- 3 pts [Murdoch: S1-internal, S1-external, S2-internal, S2-external] prior to completing this unit.)

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external  
(Students who have not completed Mathematics: Specialist 3C/3D will need to undertake MAS182 Applied Mathematics -- 3 pts [Murdoch: S1-internal, S1-external, S2-internal, S2-external] prior to completing this unit.)

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
(Students who have completed TEE Chemistry and achieved a score of more than 60 percent may be exempt from this unit.)

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
(Students who have completed Chemistry 3A/3B and achieved a score of more than 60 percent may be exempt from this unit.)

OR

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Chemistry (BSc); Computer Science (BSc); Education (BEd) [Secondary Teaching] (Four Years); Engineering (BE); Mathematics and Statistics (BSc); Sustainable Energy Management (BSc).

**Part II - 48 credit points****Core Units - 28 credit points**

PEC231 Modern Physics -- 4 pts  
Murdoch: S1-internal, S1-external

PEC232 Electromagnetism -- 4 pts  
Murdoch: S2-internal, S2-external

PEC317 Physics of Materials -- 4 pts  
Murdoch: S1-internal, S1-external

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

OR

MAS305 Environmental and Biological Modelling -- 4 pts  
Murdoch: S1-internal, S1-external

PEC261 Applications of Nanotechnology -- 4 pts  
Murdoch: S1-internal, S1-external

MAS261 Mathematical Methods -- 4 pts  
Murdoch: S1-internal, S1-external

PEC363 Experimental Physics and Nanotechnology -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Chemistry (BSc); Computer Science (BSc); Education (BEd) [Secondary Teaching] (Four Years); Engineering (BE); Mathematics and Statistics (BSc); Sustainable Energy Management (BSc).

Recommended Units:

PEC202 Thermodynamics for Physics and Nanotechnology -- 4 pts  
Murdoch: S2-internal, S2-external

PEC307 Physics and Nanotechnology Projects -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

It is also possible to study appropriate Part II Physics units from other universities (including other WA universities) with the permission of the Academic Chair.

OTH212 Photonics (UNE PHYS212) -- 3 pts equivalent  
NA 2011

OTH301 Advanced Quantum Theory - Spectroscopy (UNE PHYS301) -- 3 pts equivalent  
NA 2011

**HONOURS IN PHYSICS AND NANOTECHNOLOGY (BSC(HONS))****School of Engineering and Energy**

Bachelor of Science with Honours (BSc(Hons)) in Physics and Nanotechnology

Course Codes: H1027

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Employment Prospects:**

Graduates can expect to find enhanced employment opportunities in research and research assistance.

**Admission Requirements (Onshore):**

Students interested in enrolling in Honours are advised to contact the Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Professional Recognition:**

Australian Institute of Physics

**Main Research Areas:**

Solar energy, thin films, nanotechnology.

**Course Structure - 24 credit points****Coursework - 8 credit points**

Select from the following in consultation with your Supervisor and Academic Chair:

PEC430 Advanced Topics in Physics: Theoretical -- 4 pts  
Murdoch: S1-internal, S1-external

PEC423 Advanced Topics in Physics and Nanotechnology: Experimental -- 4 pts  
Murdoch: S2-internal, S2-external

Or 300-level units offered in the Bachelor of Science in Physics and Nanotechnology course; these can be undertaken only with the permission of the Academic Chair.

Or 400-level units offered by a related discipline (such as Mathematics, Energy Studies or Education).

**Thesis - 16 credit points**

PEC4089 Honours Thesis in Physics and Nanotechnology -- 16 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

## POLITICS AND INTERNATIONAL STUDIES

### See also:

International Business  
Public Policy and Management  
Security, Terrorism and Counterterrorism

## POLITICS AND INTERNATIONAL STUDIES (BA)

### School of Social Sciences and Humanities

Bachelor of Arts (BA) in Politics and International Studies

Course Codes: B1026

Duration: 3 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Politics and International Studies are related fields of study which involve the critical evaluation of contemporary political issues.

Politics focuses on the examination of how power is distributed in society, how individuals and groups organise to change the distribution of power, and why governments vary in their stances on such issues as individual and minority rights, environmentalism, and economic rationalism.

The linked study of International Studies examines issues of globalisation -- including its impact on economic development -- and the relationships between global governance, nation-states, ethnic and regional communities.

### Employment Prospects:

Graduates are suited to employment in parliamentary offices, public administration, journalism, teaching, research, international business and corporate management.

### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Recommended Double Majors:

Economics (BEcon); History (BA); Security, Terrorism and Counterterrorism Studies (BA)

### Recommended Minors:

Asian Studies; Australian Indigenous Studies; Environmental Issues; Modern Social History; Public Policy and Management; Sociology; Sustainable Development

### Excluded Minors:

International Studies; Politics

### Main Research Areas:

International political economy, globalisation, democratisation, international relations, ethnic conflict, Liberalism, Australian politics, Asian politics.

### Languages and Writing Skills:

Politics and International students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students

consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 9 credit points

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

Plus two units from the following:

POL133 Introduction to Politics -- 3 pts  
Murdoch: S2-internal, S2-external

POL135 Australian Government -- 3 pts  
Murdoch: S1-internal, S1-external

POL161 Asia-Pacific in the Global System -- 3 pts  
Murdoch: S1-internal, S1-external

POL192 Perspectives on Security and Terrorism -- 3 pts  
Murdoch: S1-internal, S1-external

#### General Electives - 12 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Economics (BEcon); History (BA); Security, Terrorism and Counterterrorism Studies (BA).

### Part II - 48 credit points

#### Core Units - 24 credit points

Select from the following lists:

#### Politics List

POL230 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

POL260 Modern Theories of the State -- 4 pts  
NA 2011

POL297 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

POL285 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

POL223 Modern Political Thought -- 4 pts  
Murdoch: S2-internal, S2-external

SSH322 Parliamentary and Public Sector Internship -- 8 pts  
Murdoch: S2-internal

POL215 Politics of Cyberspace -- 4 pts  
Murdoch: S2-internal, S2-external

POL302 Power of the Media and Public Interest -- 4 pts  
Murdoch: S2-internal, S2-external

POL250 Government Agencies in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

PHL219 Ethics, Responsibility and Justice -- 4 pts  
Murdoch: S1-internal, S1-external



POL211 US Policies and Global Security -- 4 pts  
Murdoch: S1-internal, S1-external

POL218 Politics and Security in Southwest Asia -- 4 pts  
Murdoch: S1-internal, S1-external

POL212 The Rise of Greater China -- 4 pts  
Murdoch: S2-internal, S2-external

POL213 Politics and Security in Southeast Asia: Terrorists, Gangsters and the State -- 4 pts  
Murdoch: S2-internal, S2-external

### **International Studies List**

POL257 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

POL293 Terrorism in a Globalised World -- 4 pts  
Murdoch: S2-internal, S2-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

POL239 Australian Foreign Policy in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

POL291 International Security Studies -- 4 pts  
Murdoch: S2-internal, S2-external

HIS225 European Union -- 4 pts  
Murdoch: S1-internal, S1-external

One of these core units may be substituted by one of the following:

JPN214 Postwar Japan -- 4 pts  
NA 2011

IND271 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

AIS205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

COD236 Developing Community Leadership -- 4 pts  
Murdoch: SUM2-internal (quota of 24 places)

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Economics (BEcon); History (BA); Security, Terrorism and Counterterrorism Studies (BA).

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## **HONOURS IN POLITICS AND INTERNATIONAL STUDIES (BA(HONS))**

### **School of Social Sciences and Humanities**

*Bachelor of Arts with Honours (BA(Hons)) in Politics and International Studies*

Course Codes: H1022

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying, to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 8 credit points**

POL468 Advanced Honours Seminar in Politics -- 4 pts  
Murdoch: S1-internal

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

##### **Elective Units - 4 credit points**

Select from the following:

POL4071 Advanced Honours Topic in Politics and International Studies -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

#### **Thesis - 12 credit points**

POL4079 Honours Thesis in Politics and International Studies -- 12 pts  
Murdoch: S1-internal, S2-internal

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## **PSYCHOLOGY**

### **PSYCHOLOGY (BPSYCH, BA)**

#### **School of Psychology**

*Bachelor of Arts (BA) in Psychology  
or Bachelor of Psychology (BPsych)*

Course Codes: B1103; B1104

Restriction: Enrolment in this course is subject to restriction.

Duration: BA: 3 years full-time or part-time equivalent; BPsych: 4 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English) (BA only)

The study of psychology is a quest to understand behaviour, relationships and the workings of the human mind. In this course students will develop an appreciation of the foundations of psychological knowledge and how modern scientific research methods are used to further this understanding of our differences and similarities. Psychology teaches both research and practical application in the clinical, cognitive, developmental, organisational

and social areas.

The four-year Bachelor of Psychology course is a professionally-accredited degree which covers all relevant parts of the psychology curriculum to provide a balanced and comprehensive appreciation of psychology from all major perspectives, and provides students with the minimum necessary units to satisfy the University education requirements for the practice of Psychology. Especially strong components of the course at Murdoch are represented through minors in developmental, health, organisational and social psychology. Applied psychology is included in the curriculum through organisational, clinical and human factors studies. This degree also provides broad skills in teamwork, communication and problem solving necessary in social and workplace settings. The opportunity to undertake a practical placement is available in the fourth year. Those students wishing to exit after three years may apply to graduate with the three-year Bachelor of Arts (Psychology).

Students who perform well in the first year of the degree and achieve an average minimum mark of 70 percent in Part I of the Psychology core units may apply for transfer into the second year of the BPsych (Honours). Students who maintain a minimum average mark of 70 percent across core Part I and Part II Psychology units in the first three years of the degree may apply for transfer into the fourth year of the BPsych (Honours).

#### **Employment Prospects:**

Psychology degrees will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging a practical or academic career in education, ergonomics or human resource management.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

#### **Special Requirements:**

All students in the Psychology undergraduate course intending to complete a fourth year in Psychology are required to complete five hours of research participation for each full-time year of study or part-time equivalent prior to their enrolment in the fourth year of the Honours or BPsych research projects. The participation required will therefore total 15 hours for the 3 years of study prior to the Honours or BPsych project.

#### **Recommended Minors:**

Developmental Psychology; Health Psychology; Organisational Psychology; Social Psychology

#### **Professional Recognition:**

All Murdoch University Psychology degrees taught at Murdoch are accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS). However, students transferring from another university must ensure that the study they have completed previously, when combined with their study at Murdoch University, meets the requirements of the relevant psychology registration board for equivalence to an accredited four-year Australian degree in psychology.

#### **Previous Degrees:**

It should be noted that students who hold a previous degree will be considered as having completed a double major for purposes of satisfying requirements for the award of the Bachelor of Psychology (BPsych) degree. In such cases normal credit rules apply. Students should consult the Psychology Academic Chair for advice on unit exemptions. Students completing a double major, second or subsequent degree, double degree or joint degree are not required to complete a Psychology minor.

## **Course Structure - BA (Psychology), 72 points; BPsych, 96 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 9 credit points**

PSY141 Introduction to Psychological Science -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY171 Introduction to Applications of Psychology -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

#### **General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

Highly recommended:

PSY172 Introduction to Psychological Health and Wellbeing -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

### **Part II (BA and BPsych) - BA (Psychology), 48 points; BPsych, 72 credit points**

#### **Core Units - 28 credit points**

Students enrolled in the Bachelor of Psychology (BPsych) or Bachelor of Arts in Psychology (BA) must complete at least one of the Psychology minors. Students are strongly encouraged to complete more than one minor. Students completing a double major, double degree, joint degree or second or subsequent degree, are not required to complete a Psychology minor.

PSY213 Psychology: Abnormal Behaviour -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY351 Psychology: Biological Bases of Behaviour -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY353 Psychology: Cognitive Processes -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY247 Psychology: Human Development -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY248 Psychology: Social Bases of Behaviour -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY212 Psychology: Measurement, Design and Analysis -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY311 Psychology: Advanced Quantitative Research Methods -- 4 pts  
Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

OR

PSY315 Psychology: Advanced Qualitative Research Methods -- 4 pts  
Murdoch: S2-internal

### **Specified Electives - 8 credit points**

Select units to complete at least one of the following minors:

#### **Developmental Psychology Minor**

PSY249 Psychology: The Developing Mind -- 4 pts  
Murdoch: S2-internal

PSY356 Psychology: Family Relations and Social Development -- 4 pts  
Murdoch: S1-internal

#### **Health Psychology Minor**

PSY215 Psychology: Drugs and Dependence -- 4 pts  
Murdoch: S1-internal

PSY358 Psychology: Sensory Abilities and Disabilities -- 4 pts  
Murdoch: S2-internal

#### **Organisational Psychology Minor**

PSY217 Psychology: Work and Organisations -- 4 pts  
Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY357 Psychology: Safety, Errors and Accidents -- 4 pts  
Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

#### **Social Psychology Minor**

PSY218 Psychology: Self and Society -- 4 pts  
Murdoch: S1-internal

PSY246 Psychology: Culture and Community -- 4 pts  
Murdoch: S1-internal

#### **Optional Specified Elective**

PSY252 Special Topics in Psychology -- 4 pts  
Topic not currently offered

### **General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

### **Part II (Year 4, BPsych only) - 24 credit points**

Students who are accepted into the BPsych (Hons) should refer instead to the Year 4 section of Honours in Psychology (BPsych(Hons)).

#### **Core Units - 12 credit points**

PSY441 Psychology: Fourth Year Project -- 8 pts  
Murdoch: H-internal, Y-internal

PSY412 Psychology: Fourth Year Seminar -- 4 pts  
Murdoch: S1-internal

#### **Specified Electives - 12 credit points**

Select from the following:

PSY431 Psychology: Principles of Psychological Assessment -- 4 pts  
Murdoch: S1-internal

PSY433 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

PSY434 Psychology: Industrial and Organisational Issues -- 4 pts  
Murdoch: S2-internal

PSY436 Psychology: Principles and Processes of Interventions -- 4 pts  
Murdoch: S2-internal

PSY444 BPsych Practical Placements -- 4 pts  
Murdoch: S1-internal (quota of 40 places), S2-internal (quota of 40 places)

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## **HONOURS IN PSYCHOLOGY (BA(HONS))**

### **School of Psychology**

Bachelor of Arts with Honours (BA(Hons)) in Psychology

Course Codes: H1116

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

The Honours course provides units in research design and the opportunity to carry out a piece of empirical work under supervision. Students are expected to negotiate a research topic in conjunction with a supervisor. The thesis reporting the empirical research represents half of the fourth (Honours) year work.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Applicants require a three-year degree in Psychology which meets accreditation standards and should have achieved a Distinction (70 percent) average mark for their psychology units.

English competence.

Applications can be made online at

<http://www.murdoch.edu.au/goto/OnlineApplications>

#### **Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules. Students entering into the fourth year of this course will be required to have maintained a minimum of Distinction (70 percent) average for psychology units undertaken. Students not complying with this requirement will be required to transfer to the BPsych (four-year) course or the Bachelor of Arts (Psychology).

All students in the Psychology undergraduate course intending to complete a fourth year in Psychology are required to complete five hours of research participation for each full-time year of study, or part-time equivalent, prior to their enrolment in the fourth year of the Honours or BPsych research projects. The participation required will therefore be 15 hours for the three years of study prior to the Honours or BPsych project.

#### **Professional Recognition:**

All Murdoch University Psychology degrees are fully accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS).

**Course Structure - 24 credit points****Thesis - 12 credit points**

PSY4039 Honours Thesis in Psychology -- 12 pts  
Murdoch: S1-internal, S2-internal

**Coursework - 12 credit points****Core Unit - 4 credit points**

PSY411 Psychology: Honours Seminar -- 4 pts  
Murdoch: S1-internal

**Specified Elective - 8 credit points**

Select one unit from the following:

PSY431 Psychology: Principles of Psychological Assessment -- 4 pts  
Murdoch: S1-internal

PSY433 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

Plus one unit from the following:

PSY434 Psychology: Industrial and Organisational Issues -- 4 pts  
Murdoch: S2-internal

PSY436 Psychology: Principles and Processes of Interventions -- 4 pts  
Murdoch: S2-internal

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**HONOURS IN PSYCHOLOGY  
(BPSYCH(HONS))****School of Psychology**

Bachelor of Psychology with Honours (BPsych(Hons))

Course Codes: H1195

Restriction: Enrolment in this course is subject to restriction.

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This course is suited to students who wish to progress to postgraduate studies, for example masters and doctoral courses in clinical, organisational and counselling psychology, and the PhD.

The study of psychology is a quest to understand behaviour, relationships and the workings of the human mind. This Bachelor of Psychology (Honours) course combines a thorough grounding in the general theoretical and disciplinary aspects of psychology with advanced coverage of research design and practice. The course covers all relevant parts of the psychology curriculum to provide a balanced and comprehensive appreciation of psychology from all major perspectives. In addition, students will be introduced to cutting edge research across different areas of psychology, and will have an opportunity to work in a real-life research setting before carrying out a research project in the fourth year under individual supervision.

Minors are available in developmental, health, organisational and social psychology, and elective units in psychological research are particularly recommended. A thesis based on empirical research represents half of the fourth-year work.

**Employment Prospects:**

Psychology degrees will be of special interest not only to those desiring to enter the psychology profession but also to students envisaging employment and careers in fields which require a good understanding of human behaviour. Such careers may include education, ergonomics or human resource management.

**Admission Requirements (Onshore):**

Direct entry into the first year of this course requires a TER of 90 or above, or equivalent based on academic or professional background which demonstrates research potential and which will be evaluated on a case by case basis by the School of Psychology.

English competence.

**Special Requirements:**

Students undertaking this course will be subject to additional academic progress rules. Students entering into the fourth year of this course will be required to have maintained a minimum of Distinction (70 per cent) average for all psychology core units undertaken. Students not complying with this requirement will be required to transfer to the BPsych (four-year) course or Bachelor of Arts (Psychology).

All students in the Psychology undergraduate course intending to complete a fourth year in Psychology are required to complete five hours of research participation for each full-time year of study or part-time equivalent prior to their enrolment in the fourth year of the Honours or BPsych research projects. The participation required will therefore total 15 hours for the three years of study prior to the Honours or BPsych project.

**Professional Recognition:**

All Murdoch University Psychology degrees taught wholly at Murdoch are accredited by the Australian Psychology Accreditation Council (APAC), and recognised by the Australian Psychological Society (APS). However, students transferring from another university must ensure that the study they have completed previously, when combined with their study at Murdoch University, meets the requirements of the relevant psychology registration board for equivalence to an accredited four-year Australian degree in psychology.

**Course Structure - 96 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

PSY141 Introduction to Psychological Science -- 3 pts  
Murdoch: S1-internal, S2-internal

PSY171 Introduction to Applications of Psychology -- 3 pts  
Murdoch: S1-internal, S2-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts  
Murdoch: S1-internal, S2-internal

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or a minor in Developmental Psychology, Health Psychology, Organisational Psychology or Social Psychology.

Highly recommended:

PSY172 Introduction to Psychological Health and Wellbeing -- 3 pts  
Murdoch: S2-internal  
Rockingham: S2-internal

**Part II - 72 credit points****Years 2 and 3 - 48 credit points****Core Units - 28 credit points**

PSY213 Psychology: Abnormal Behaviour -- 4 pts  
Murdoch: S1-internal

PSY351 Psychology: Biological Bases of Behaviour -- 4 pts  
Murdoch: S1-internal

PSY353 Psychology: Cognitive Processes -- 4 pts  
Murdoch: S2-internal

PSY247 Psychology: Human Development -- 4 pts  
Murdoch: S1-internal

PSY248 Psychology: Social Bases of Behaviour -- 4 pts  
Murdoch: S2-internal

PSY212 Psychology: Measurement, Design and Analysis -- 4 pts  
Murdoch: S2-internal

PSY311 Psychology: Advanced Quantitative Research Methods -- 4 pts  
Murdoch: S1-internal

OR

PSY315 Psychology: Advanced Qualitative Research Methods -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 16 credit points**

Select from the following units to include the requirements of at least one of the Psychology minors. Students are recommended to select the research units.

**Research Units**

PSY250 Psychology: Research Topics in Psychology -- 4 pts  
Murdoch: S2-internal

PSY380 Psychology: Psychological Research Placement -- 4 pts  
NA 2011

**Developmental Psychology Minor**

PSY249 Psychology: The Developing Mind -- 4 pts  
Murdoch: S2-internal

PSY356 Psychology: Family Relations and Social Development -- 4 pts  
Murdoch: S1-internal

**Health Psychology Minor**

PSY215 Psychology: Drugs and Dependence -- 4 pts  
Murdoch: S1-internal

PSY358 Psychology: Sensory Abilities and Disabilities -- 4 pts  
Murdoch: S2-internal

**Organisational Psychology Minor**

PSY217 Psychology: Work and Organisations -- 4 pts  
Murdoch: S1-internal

PSY357 Psychology: Safety, Errors and Accidents -- 4 pts  
Murdoch: S2-internal

**Social Psychology Minor**

PSY218 Psychology: Self and Society -- 4 pts  
Murdoch: S1-internal

PSY246 Psychology: Culture and Community -- 4 pts  
Murdoch: S1-internal

**Optional Specified Elective**

PSY252 Special Topics in Psychology -- 4 pts  
Topic not currently offered

**General Electives - 4 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

**Additional Academic Progress Requirements**

Students entering into the fourth year of this course will be required to have maintained a minimum of Distinction (70 percent) average for all psychology core units undertaken. Students not complying with this requirement will be required to transfer to the BPsych (four year) course or Bachelor of Arts (Psychology) (three year).

**Year 4 - 24 credit points****Thesis - 12 credit points**

PSY4039 Honours Thesis in Psychology -- 12 pts  
Murdoch: S1-internal, S2-internal

**Coursework - 12 credit points****Core Unit - 4 credit points**

PSY411 Psychology: Honours Seminar -- 4 pts  
Murdoch: S1-internal

**Specified Elective - 8 credit points**

Select one unit from the following:

PSY431 Psychology: Principles of Psychological Assessment -- 4 pts  
Murdoch: S1-internal

PSY433 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

plus one unit from the following:

PSY434 Psychology: Industrial and Organisational Issues -- 4 pts  
Murdoch: S2-internal

PSY436 Psychology: Principles and Processes of Interventions -- 4 pts  
Murdoch: S2-internal

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**PUBLIC POLICY AND MANAGEMENT****See also:**

Economics  
Politics and International Studies

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**PUBLIC POLICY AND MANAGEMENT (BA)****School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Public Policy and Management

Course Codes: B1028

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Public Policy and Management major provides an educational basis for administrative and management careers in the public and private sectors. The major draws on units from Politics and International Studies, Economics, and Commerce. These units examine the formulation and implementation of public policy and the critical skills relating to policy analysis. Policy is also studied on a comparative basis, in particular using the experience of Asia to

assess Australian practice.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Recommended Double Majors:**

Politics and International Studies (BA)

**Recommended Minors:**

Community Development; Ethics; International Studies; Politics; Sustainable Tourism

**Excluded Minors:**

Public Policy and Management

**Languages and Writing Skills:**

Public Policy and Management students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

POL135 Australian Government -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Politics and International Studies (BA).

**Part II - 48 credit points**

**Core Units - 8 credit points**

POL250 Government Agencies in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

POL230 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 16 credit points**

Select from the following:

POL260 Modern Theories of the State -- 4 pts  
NA 2011

COD355 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

SOC296 Power, Security and Modern Life -- 4 pts  
Murdoch: S1-internal, S1-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

POL285 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

POL302 Power of the Media and Public Interest -- 4 pts  
Murdoch: S2-internal, S2-external

POL257 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

POL219 Special Topics in Politics and International Studies -- 4 pts  
Topic not currently offered

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Politics and International Studies (BA).

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**HONOURS IN PUBLIC POLICY AND MANAGEMENT (BA(HONS))**

**School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in Public Policy and Management

Course Codes: H1026

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

## Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Unit - 4 credit points

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

#### Elective Units - 8 credit points

POL4961 Honours Topic in Public Policy and Management -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300 level) -- 4 pts

Up to two Masters units (500 level) -- no more than 8 pts

### Thesis - 12 credit points

POL4969 Honours Thesis in Public Policy and Management -- 12 pts  
Murdoch: S1-internal, S2-internal

## PUBLIC RELATIONS

#### See also:

Journalism  
Marketing and Marketing Management

## PUBLIC RELATIONS (BCOMMUN)

### School of Media Communication and Culture

Bachelor of Communication (BCommun) in Public Relations

Course Codes: B1284

Duration: 3 years full-time or part-time equivalent; SGP1: 4 trimesters full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- KDU College (Petaling Jaya, Malaysia) ['KDUPJ'] (internal) (by formal agreement) (language of instruction: English)
- Sma Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

This major aims to prepare students for careers in public relations and communications. It explores Australian and international theories and practices, with an emphasis on ethical communication and engagement with a diverse range of stakeholders. The major offers a combination of theoretical and practical components. Students are introduced to communication and public relations theory and are expected to develop critical thinking, evaluative and analytical skills. Communication skills -- including writing, public speaking, team work and conflict management -- are taught in addition to the development of public relations strategies to achieve organisational objectives.

#### Employment Prospects:

Graduates may follow careers in public relations and specialised areas such as public affairs, community relations, media liaison, event management and sponsorship.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Recommended Double Majors:

Communication and Media Studies (BCommun); Journalism (BCommun)

#### Recommended Minors:

Journalism

#### Excluded Double Majors:

Marketing and the Media (BMM)

#### Excluded Minors:

Public Relations

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 6 credit points

MCC108 Introduction to Communication and Media -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

MCC107 Introduction to Public Relations -- 3 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

#### General Electives - 15 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Journalism (BCommun).

### Part II - 48 credit points

#### Core Units - 24 credit points

MCC259 Media Relations -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

MCC213 Communication Research -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T2A-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

MCC204 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal

MCC246 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T2A-internal

KDUPJ: S1K-internal  
SGP1: T2B-internal

MCC307 Campaign Management -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

MCC345 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Journalism (BCommun).

Students with good academic records can apply to the Academic Chair to take:

MCC325 Professional Placement in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

## **HONOURS IN PUBLIC RELATIONS (BCOMMUN(HONS))**

### **School of Media Communication and Culture**

*Bachelor of Communication with Honours (BCommun(Hons)) in Public Relations*

Course Codes: H1210

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Coursework - 12 credit points**

##### **Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts

Murdoch: S1-internal, S2-internal, Y-internal

#### **Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts

Murdoch: S1-internal, S2-internal

## **SCREEN AND SOUND**

### **SCREEN PRODUCTION (BMEDIA)**

#### **School of Media Communication and Culture**

*Bachelor of Media (BMedia) in Screen Production*

Course Codes: B1234; B1234A

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Some units only: Murdoch campus (external)

This major focuses on the theory and practice of contemporary screen production. Units cover a mix of media production and analysis including cinematic and photographic design, documentary, drama and experimental film, television and digital production, animation, e-games, interactive TV, sonic media, community and indigenous media. While providing real-life and industry standard training the major aims to develop an understanding of the Australian and global screen industry and will equip students with a wide range of professional skills in screen, sound, digital and new media areas.

#### **Employment Prospects:**

Graduates can expect to find employment in a wide range of fields, from the creative industries (new media, advertising, television, music, film) to management, administration, public policy, media research. Graduates will also have had ample opportunities to be familiar with a range of screen and sound crew functions such as directing, editing, production design, lighting, Director of Photography etc.

#### **Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Recommended Double Majors:**

Communication and Media Studies (BCommun); Journalism (BCommun)

#### **Recommended Minors:**

Creative Arts

#### **Professional Recognition:**

Murdoch University is a member of the Australian Screen Production Education and Research Association.

#### **Main Research Areas:**

Media studies; Australian indigenous media; creative industries; film; television; sound.



**Quota:**

Many of the production units in Screen Production are subject to quota. Entry to Part II production units depends on students' performance (Distinction grade average) in the Part I production unit prerequisites. In certain instances, and at the discretion of the Academic Chair, the Part I prerequisite may be waived for students with previous production experience.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

MCC116 Introduction to the Screen -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

MCC124 Photography and Digital Imaging -- 3 pts  
Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)  
DUBAI-ISC: N2-internal

MCC128 Screen Production I -- 3 pts  
Murdoch: S1-internal (quota of 102 places), S2-internal  
DUBAI-ISC: N2-internal

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Journalism (BCommun).

**Part II - 48 credit points****Core Units - 24 credit points**

MCC226 Screen Production II -- 4 pts  
Murdoch: S1-internal (quota of 80 places)  
DUBAI-ISC: N2-internal

MCC333 Documentary -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal

MCC201 Professional Development in Screen Production -- 4 pts  
Murdoch: S2-internal (quota of 80 places)  
DUBAI-ISC: N1-internal

MCC248 Screen Texts -- 4 pts  
Murdoch: S2-internal, S2-external

OR

MCC2481 Screen Texts -- 4 pts  
DUBAI-ISC: N1-internal

MCC302 Advanced Screen Production -- 4 pts  
Murdoch: S1-internal (quota of 60 places)  
DUBAI-ISC: N2-internal

MCC312 Media Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Communication and Media Studies (BCommun); Journalism (BCommun).

**HONOURS IN SCREEN PRODUCTION (BMEDIA(HONS))****School of Media Communication and Culture**

Bachelor of Media with Honours (BMedia(Hons)) in Screen Production

Course Codes: H1224

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research. In Screen Production, students have the option of doing a screen production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts  
Murdoch: S1-internal, S2-internal

**SECURITY, TERRORISM AND COUNTERTERRORISM****See also:**

Politics and International Studies

**SECURITY, TERRORISM AND COUNTERTERRORISM STUDIES (BA)****School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Security, Terrorism and Counterterrorism Studies

Course Codes: B1221

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course provides students with a critical understanding of the nature of security, terrorism and counterterrorism measures in Australia and other parts of the world. It defines security broadly to incorporate the protection of individuals and their values, norms, rules, institutions and property from military and non-military threats. It explains terrorism as a threat to security, but suggests a multiple approach to the 'war on terror', involving diplomacy, development, capacity building and military force.

**Employment Prospects:**

Graduates of this course will be excellent candidates for recruitment into the intelligence services as well as in the Departments of Foreign Affairs and Trade, Defence, and Immigration and Citizenship, and the Attorney-General's Office. They will also be suited for employment in journalism, international business and corporate management. Employment opportunities will be enhanced for those who combine this degree with majors from areas like Asian Studies, Asian Languages, Law, Business, Information Technology or Science.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Individual units may require access to specific nominated software.

**Recommended Double Majors:**

History (BA); Politics and International Studies (BA); Sociology (BA)

**Recommended Minors:**

Asian Studies; Ethics; Journalism; Legal Studies; Sociology

**Excluded Minors:**

Security, Terrorism and Counterterrorism

**Languages and Writing Skills:**

Security, Terrorism and Counterterrorism students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

POL192 Perspectives on Security and Terrorism -- 3 pts  
Murdoch: S1-internal, S1-external

POL161 Asia-Pacific in the Global System -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 3 credit points**

Select from the following:

POL133 Introduction to Politics -- 3 pts  
Murdoch: S2-internal, S2-external

SOC105 Sociology and Everyday Life -- 3 pts  
Murdoch: S2-internal, S2-external

PHL131 Critical and Creative Thinking -- 3 pts  
Murdoch: S1-internal, S1-external

LEG150 Australian Legal System -- 3 pts  
Murdoch: S1-internal

PEC103 Introduction to Forensic Science -- 3 pts  
Murdoch: S2-internal

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

**General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): History (BA); Politics and International Studies (BA); Sociology (BA).

**Part II - 48 credit points**

**Core Units - 8 credit points**

POL291 International Security Studies -- 4 pts  
Murdoch: S2-internal, S2-external

POL293 Terrorism in a Globalised World -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 16 credit points**

Select from the following:

POL239 Australian Foreign Policy in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

ICT265 Knowledge and Information Security -- 4 pts  
Murdoch: S2-internal, S2-external

SOC212 Islam, Terror and Multiculturalism in Australia -- 4 pts  
NA 2011

POL212 The Rise of Greater China -- 4 pts  
Murdoch: S2-internal, S2-external

POL213 Politics and Security in Southeast Asia: Terrorists, Gangsters and the State -- 4 pts  
Murdoch: S2-internal, S2-external

POL211 US Policies and Global Security -- 4 pts  
Murdoch: S1-internal, S1-external

POL218 Politics and Security in Southwest Asia -- 4 pts  
Murdoch: S1-internal, S1-external

HIS230 Spies, Saboteurs and Secret Agents -- 4 pts  
NA 2011

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

EGL224 Literature in an Age of Terror -- 4 pts  
Murdoch: S1-internal, S1-external

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): History (BA); Politics and International Studies (BA); Sociology (BA).

**HONOURS IN SECURITY, TERRORISM AND COUNTERTERRORISM STUDIES (BA(HONS))****School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in Security, Terrorism and Counterterrorism Studies

Course Codes: H1184

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Completion of the Security, Terrorism and Counterterrorism Studies major or a similar discipline with a minimum Credit/Distinction average.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Core Units - 12 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts

Murdoch: S1-internal, S1-external

POL4012 Honours Topic in Terrorism and Counterterrorism -- 4 pts

Murdoch: S1-internal

POL4011 Honours Topic in International Security and Strategy -- 4 pts

Murdoch: S1-internal

OR

POL4013 Honours Topic in International Relations Theory -- 4 pts

Murdoch: S1-internal

**Thesis - 12 credit points**

POL4019 Honours Thesis in Security, Terrorism and Counterterrorism -- 12 pts

Murdoch: S1-internal, S2-internal

**SOCIOLOGY****SOCIOLOGY (BA)****School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Sociology

Course Codes: B1108

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Sociology helps us to grasp the connections between the personal and the social in a global context. It helps us understand how changes in the structure of society, the material world (eg. Technology), the economy, cultural systems of beliefs and values, and access to power, influence us as members of society. Sociology is particularly interested in class, gender, ethnicity, and religion. Sociological knowledge and skills are increasingly important in a wide range of professions and occupations, and provide a broader perspective for understanding the world.

**Employment Prospects:**

Skills in critical thinking, social research, policy analysis and project evaluation are crucial in numerous occupations. Sociology graduates are well suited to careers in local, state and federal public service, and in welfare, community, industrial and commercial organisations.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Recommended Double Majors:**

Community Development (BA); Politics and International Studies (BA)

**Recommended Minors:**

Anthropology; Community Development; Criminology; Modern Social History; Philosophy; Social Psychology

**Excluded Minors:**

Sociology

**Main Research Areas:**

Social change and social equity.

**Languages and Writing Skills:**

Sociology students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

SOC134 Introduction to Sociology -- 3 pts  
Murdoch: S1-internal, S1-external

SOC105 Sociology and Everyday Life -- 3 pts  
Murdoch: S2-internal, S2-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

**Part II - 48 credit points****Core Units - 24 credit points**

Select from the following:

SOC296 Power, Security and Modern Life -- 4 pts  
Murdoch: S1-internal, S1-external

SOC212 Islam, Terror and Multiculturalism in Australia -- 4 pts  
NA 2011

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

SOC204 Big Ideas for a Better Society -- 4 pts  
NA 2011

SOC213 Health and Society -- 4 pts  
Murdoch: S1-internal, S1-external

SOC262 Sociology of Law -- 4 pts  
Murdoch: S1-internal, S1-external

SOC256 Sociology of Work -- 4 pts  
NA 2011

SOC272 Special Topics in Sociology -- 4 pts  
Topic not currently offered

SOC230 Australian Youth Culture -- 4 pts  
Murdoch: S2-internal, S2-external

COD355 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

Students are also encouraged to pursue Independent Study Contracts approved by the School Board.

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

**HONOURS IN SOCIOLOGY (BA(HONS))****School of Social Sciences and Humanities**

Bachelor of Arts with Honours (BA(Hons)) in Sociology

Course Codes: H1122

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

Plus 8 points from the following:

SOC4061 Honours Topic in Sociology -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

SOC4062 Honours Topic in Sociology -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

SOC4069 Honours Thesis in Sociology -- 12 pts  
Murdoch: S1-internal, S2-internal

**SOUND****SOUND (BMEDIA)****School of Media Communication and Culture**

Bachelor of Media (BMedia) in Sound

Course Codes: B1234; B1234A

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

Sound design incorporates the way sound is used both in media and in everyday life. Music recording, film sound, game sound, and industrial sound design professionals create the recognisable sounds of the modern world and create new sounds.

This major focuses on the practice of contemporary sound design and production, combining a mix of theory and production in areas such as popular music, sound for film and games, studio recording, music technology and sound design.

**Employment Prospects:**

Music recording, editing, mixing and remixing; film and television sound recording, sound editing, sound mixing and sound design; sound design for interactive media and theatre; industrial sound design.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

This course is only available to internal students at Murdoch campus since it is a production-based course which utilises the facilities at this campus.

**Recommended Double Majors:**

Games Art and Design (BDMedia); Screen Production (BMedia)

**Excluded Minors:**

Sound

**Professional Recognition:**

Murdoch University is a member of the Australian Screen Production Education and Research Association.

**Main Research Areas:**

Sound for film and television, sound design, music technology, recording studios, sound in interactive media.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 6 credit points**

MCC105 Introduction to Radio -- 3 pts  
Murdoch: S1-internal, S2-internal (quota of 80 places)

MCC169 Introduction to Sound Studies -- 3 pts  
Murdoch: S2-internal

**General Electives - 15 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Games Art and Design (BDMedia); Screen Production (BMedia).

**Part II - 48 credit points****Core Units - 24 credit points**

MCC268 Music Technology -- 4 pts  
Murdoch: S1-internal (quota of 45 places)

MCC214 Sound -- 4 pts  
Murdoch: S2-internal (quota of 45 places)

MCC274 Popular Music -- 4 pts  
NA 2011

MCC376 Sound Design -- 4 pts  
NA 2011

MCC377 Soundtrack -- 4 pts  
NA 2011

MCC312 Media Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Games Art and Design (BDMedia); Screen Production (BMedia).

**HONOURS IN SOUND (BMEDIA(HONS))****School of Media Communication and Culture**

Bachelor of Media with Honours (BMedia(Hons)) in Sound

Course Codes: H1226

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research. In Sound, students have the option of doing a sound based production and exegesis.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 12 credit points**

MCC444 Honours Seminar in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal

MCC4201 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

MCC4202 Honours Topic in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

**Thesis - 12 credit points**

MCC4209 Honours Thesis in Media Communication and Culture -- 12 pts  
Murdoch: S1-internal, S2-internal

**SPORTS SCIENCE****See also:**

Chiropractic

**SPORTS SCIENCE (BSPORTSSC)****School of Chiropractic and Sports Science**

Bachelor of Sports Science (BSportsSc)

Course Codes: B1264

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This degree is tailored to individuals interested in sports science in relation to health and physical fitness. A strong foundation in human biology, anatomy, physiology, fitness and health assessment and implementation of exercise and fitness programs will enable

the student to develop their client/patient assessment skills. The student will be competent in health and fitness evaluation and be able to develop fitness, strengthening and rehabilitation programs which will support a career in the health industry. Students may also wish to enter into the field of management or marketing by enrolling in a double major consisting of sports science and/or management and marketing.

**Employment Prospects:**

Consultation with stake holders has revealed a void exists in the workforce for health professionals who are skilled in developing health and fitness programs for clients.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Students will be required to obtain the following:  
Department of Health Criminal Record clearance; screening for Tuberculosis, Rubella, Mumps, Measles, Varicella, Tetanus-Diphtheria, Poliomyelitis, Hepatitis B and MRSA; CPR Certificate.

If students commence working with a paediatric population, they will be required to obtain a Working With Children clearance.

**Recommended Double Majors:**

Entrepreneurship and Innovation (BCom); Human Resource Management (BCom); Management (BCom); Marketing (BCom); Public Relations (BCommun)

**Recommended Minors:**

Entrepreneurship and Innovation; Environmental Issues; Health Psychology; Management; Marketing; Media Studies

**Excluded Double Majors:**

Exercise Physiology (BSc)

**Professional Recognition:**

Accreditation is being sought from Exercise and Sports Science Australia (ESSA).

**Main Research Areas:**

Sports Science.

**Accreditation and Registration:**

No accreditation requirements.

International applicants will need to provide proof of having met an overall IELTS score of at least 6. Please note that IELTS scores are valid for two years only. It is the student's responsibility to arrange for a current IELTS prior to application for registration with the NBWA. Results from tests completed more than two years prior to application for registration will not be accepted.

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

BMS101 Introduction to the Human Body -- 3 pts  
Murdoch: S1-internal

CHI124 Principles of Sports Science -- 3 pts  
Murdoch: S1-internal

CHI108 Functional Human Anatomy -- 3 pts  
Murdoch: S2-internal

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Entrepreneurship and Innovation (BCom); Human Resource Management (BCom); Management (BCom); Marketing (BCom); Public Relations (BCommun).

Students taking a minor in Marketing may complete CHI106 Introduction and Application of Epidemiology -- 3 pts [Murdoch: S2-internal] instead of MAS180 Introduction to Statistics -- 3 pts.

**Part II - 48 credit points**

**Core Units - 24 credit points**

CHI208 Health, Fitness and Performance Assessment -- 4 pts  
Murdoch: S1-internal

CHI225 Principles of Strength and Conditioning -- 4 pts  
Murdoch: S2-internal

CHI209 Biomechanics and Diagnostic Palpation Skills -- 4 pts  
Murdoch: S2-internal

CHI226 Exercise Physiology I -- 4 pts  
Murdoch: S1-internal

CHI315 Sports Science Practicum -- 8 pts  
Murdoch: H-internal, Y-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Entrepreneurship and Innovation (BCom); Human Resource Management (BCom); Management (BCom); Marketing (BCom); Public Relations (BCommun).

**HONOURS IN SPORTS SCIENCE  
(BSPORTSSC(HONS))**

**School of Chiropractic and Sports Science**

Bachelor of Sports Science with Honours (BSportsSc(Hons))

Course Codes: H1193

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in enrolling in Honours are advised to contact the Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

#### **Thesis - 24 credit points**

Full-time students will be enrolled in:

CHI4909-12 Honours Thesis in Sports Science -- 12 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Plus a further enrolment in:

CHI4909-12 Honours Thesis in Sports Science -- 12 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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## **SUSTAINABLE DEVELOPMENT**

#### **See also:**

International Aid and Development

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### **CLIMATE CHANGE MANAGEMENT (BSC)**

#### **School of Sustainability**

Bachelor of Science (BSc) in Climate Change Management

Course Codes: B1283

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Climate change is the greatest environmental and economic challenge of the 21st century. This degree will produce graduates that can help manage our society and economy through the adaptation and mitigation responses. It will equip graduates with an integrated understanding of the science and economics of climate change as well as its social impacts. Students who complete this course will enter the workplace well-placed to both devise and implement solutions which incorporate social, economic and environmental aspects of climate change.

#### **Employment Prospects:**

Australian Greenhouse Office; Department of Conservation and Environment: SEDO; local government; non-government organisations.

#### **Admission Requirements (Onshore):**

Normal undergraduate admission requirements apply

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Recommended Double Majors:**

Environmental Management (BEnvMan); Sustainable Development (BA, BSc); Sustainable Energy Management (BSc)

#### **Recommended Minors:**

Energy Studies; Environmental Policy

#### **Main Research Areas:**

Climate Adaptation; Climate Change Policy; Environmental Management; Atmospheric Science; Energy Studies

## **Course Structure - 72 credit points**

### **Part I - 24 credit points**

#### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### **Core Units - 9 credit points**

STP110 Introduction to Climate Change Studies -- 3 pts  
Murdoch: S2-internal, S2-external

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external

#### **Specified Electives - at least 3 credit points**

Select from the following:

PEC190 Introduction to Energy Studies -- 3 pts  
Murdoch: S2-internal, S2-external, Y-external

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

ENV104 Australian Environmental Issues -- 3 pts  
Murdoch: S2-internal, S2-external

#### **General Electives - 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Management (BEnvMan); Sustainable Development (BA, BSc); Sustainable Energy Management (BSc).

### **Part II - 48 credit points**

#### **Core Units - 24 credit points**

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

BUS250 The Economics of Global Climate Change -- 4 pts  
Murdoch: S2-internal, S2-external

PEC332 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC311 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

ENV314 Earth System Science -- 4 pts  
Murdoch: S2-internal, S2-external

STP380 Climate Change Adaptation: Policy and Practice -- 4 pts  
Murdoch: S2-internal, S2-external

#### **General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Management (BEnvMan); Sustainable Development (BA, BSc); Sustainable Energy Management (BSc).

## SUSTAINABILITY (BBUS)

### Murdoch Business School

Bachelor of Business (BBus) in Sustainability

Course Codes: B1282

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

As global concern has developed over climate change and human impact on complex ecosystems, sustainability has emerged as one of the greatest economic and social challenges of our times. The Bachelor of Business (Sustainability) meets the growing need for interdisciplinary approaches to contemporary environmental issues including climate change, resource depletion, and environmental protection. Students who complete this course will acquire a degree specifically designed to capitalise on workplace demand for problem solving and system design skills.

#### Employment Prospects:

Key government departments such as Treasury; Industry and Resources; Environment and Conservation

#### Admission Requirements (Onshore):

As per normal undergraduate requirements

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Recommended Double Majors:

Economics (BEcon); Sustainable Development (BA, BSc)

#### Recommended Minors:

Business Law; Management; Policy Economics

#### Professional Recognition:

Sustainability Practitioners Association

#### Main Research Areas:

Corporate Social Responsibility; Innovation; Sustainability

## Course Structure - 72 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 12 credit points

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

#### General Electives - 9 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the

requirements of a second major or minor. Recommended double major(s): Economics (BEcon); Sustainable Development (BA, BSc).

### Part II - 48 credit points

#### Core Units - 28 credit points

BUS250 The Economics of Global Climate Change -- 4 pts  
Murdoch: S2-internal, S2-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP205 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

BUS261 Microeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

BUS249 Environmental and Social Accounting -- 4 pts  
NA 2011

STP399 Sustainable Business Development Project -- 4 pts  
NA 2011

#### General Electives - 20 credit points

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Economics (BEcon); Sustainable Development (BA, BSc).

Recommended:

BUS2011 Special Topics in Commerce: Work-Based Business Learning -- 4 pts  
Murdoch: S1-internal (quota of 40 places)

This unit is recommended for final-year students and only counts for General Elective points. Final-year students are encouraged to undertake this unit as it uses students' existing work placements (part-time or full-time jobs). The learning experiences take place inside and outside the classroom with students having the opportunity to participate in real world business experiences and integrating those with their formal University studies in business majors. There is no final exam.

## SUSTAINABLE DEVELOPMENT (BA, BSC)

### School of Sustainability

Bachelor of Arts (BA) in Sustainable Development  
or Bachelor of Science (BSc) in Sustainable Development

Course Codes: B1150; B1151

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (BSc Sustainable Development only)

Sustainable development is the great challenge of our age. Sustainable development emphasises solutions which integrate economic, environmental and community considerations. It has become the primary development focus of the global community and is being worked through at all levels of government, the economy and civil society.

This course provides a broad and interdisciplinary approach to the many crucial issues related to the sustainability debate, such as

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



population growth, resource use, poverty alleviation, technology development, lifestyles, environmental protection, consumerism, inequality, trade and economic growth. At all times the emphasis is on building connections between theory and practice and helping students to learn how they can 'make a difference'.

**Employment Prospects:**

There are increasing employment opportunities for graduates who are knowledgeable, skilled and passionate about sustainable development, at Federal, State and Local government, in non-government organisations, international agencies, corporations, local business and the media.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Climate Change Management (BSc) [Recommended for the BSc]; Environmental Management (BEnvMan) [Recommended for the BSc]; Environmental Science (BEnvSc, BSc) [recommended for the BSc]; Politics and International Studies (BA) [recommended for the BA]

**Recommended Minors:**

Economics for Sustainability; Environmental Ethics; Environmental Policy; Indigenous Sustainability; Issues in Global Development; Technology and Innovation Policy; Urban and Regional Sustainability

**Degree Awarded:**

Students may obtain either a Bachelor of Arts (BA) or a Bachelor of Science (BSc) on completion of the course, depending on their choice of units.

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**Sustainable Development (BA)**

**Course Structure - 72 credit points**

**Part I - 24 credit points**

**Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal  
DUBAI-ISC: N1-internal, N2-internal

COD125 Introduction to Community Development -- 3 pts  
Murdoch: S1-internal, S1-external

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N2-internal

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Climate Change Management (BSc) [Recommended for the BSc]; Environmental Management (BEnvMan) [Recommended for the BSc]; Environmental Science (BEnvSc, BSc) [recommended for the BSc]; Politics and International Studies (BA) [recommended for the BA].

**Part II - 48 credit points**

**Core Units - 20 credit points**

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

STP220 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

COD334 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

POL285 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

STP303 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

STP330 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP370 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

STP205 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

STP3321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

OR

STP332 Sustainable Development Internship/Project -- 8 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP245 Sustainable Urban Design -- 4 pts  
NA 2011

STP311 Resilient Regions: People and Practice -- 4 pts  
Murdoch: SB6-internal (quota of 40 places)

**General Electives - 20 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Climate Change Management (BSc) [Recommended for the BSc]; Environmental Management (BEnvMan) [Recommended for the BSc]; Environmental Science (BEnvSc, BSc) [recommended for the BSc]; Politics and International Studies (BA) [recommended for the BA].

Recommended:

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

TLC277 From University to Workplace -- 4 pts  
Murdoch: S2-internal

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### **Sustainable Development (BSc)**

Students are required to complete at least 24 science points at Part II-level, as well as the prerequisites for those units at Part I-level.

### **Course Structure - 72 credit points**

#### **Part I - 24 credit points**

##### **Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

##### **Core Units - 12 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal  
DUBAI-ISC: N1-internal, N2-internal

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
SB4-internal  
DUBAI-ISC: N2-internal

STP109 Approaches to Sustainable Development -- 3 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

##### **Specified Electives - 0 to 6 credit points**

Students intending to take ENV268 Ecology -- 4 pts will need to take its prerequisite:

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

Students intending to take PEC292 Energy in Society -- 4 pts will need to take its prerequisite:

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

PEC152 Principles of Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### **General Electives - 3 to 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Climate Change Management (BSc) [Recommended for the BSc]; Environmental Management (BEnvMan) [Recommended for the BSc]; Environmental Science (BEnvSc, BSc) [recommended

for the BSc]; Politics and International Studies (BA) [recommended for the BA].

### **Part II - 48 credit points**

#### **Core Units - 8 credit points**

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

#### **Specified Electives - 28 credit points**

##### **Science Specified Electives - 20 credit points**

Select from the following:

ENV222 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external

PEC332 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

ENV206 Water Conservation and Auditing -- 4 pts  
Murdoch: S1-internal, S1-external

ENV203 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

PEC292 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV210 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

ENV319 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

STP3321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external,  
S2-internal, S2-external, SUM-internal, SUM-external,  
W-internal, W-external, Y-internal, Y-external

##### **Sustainability Specified Electives - 8 credit points**

Select from the following:

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

STP205 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP220 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP370 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

STP380 Climate Change Adaptation: Policy and Practice -- 4 pts  
Murdoch: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Climate Change Management (BSc) [Recommended for the BSc]; Environmental Management (BEnvMan) [Recommended for the BSc]; Environmental Science (BEnvSc, BSc) [recommended for the BSc]; Politics and International Studies (BA) [recommended for the BA].

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**HONOURS IN SUSTAINABLE DEVELOPMENT (BA(HONS), BSC(HONS))**
**School of Sustainability**

Bachelor of Arts with Honours (BA(Hons)) in Sustainable Development or Bachelor of Science with Honours (BSc(Hons)) in Sustainable Development

Course Codes: H1170; H1171

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 4 credit points**

STP418 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

**Elective Units - 8 credit points**

Select from the following:

STP4751 Honours Topic in Sustainable Development -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

STP4752 Honours Topic in Sustainable Development -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200- to 400-level) or a Masters unit (500/600-level) -- 4 pts

Recommended:

STP6321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

**Thesis - 12 credit points**

STP4759 Honours Thesis in Sustainable Development -- 12 pts  
Murdoch: S1-internal, S2-internal

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**SUSTAINABLE ENERGY MANAGEMENT**


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**SUSTAINABLE ENERGY MANAGEMENT (BSC)**
**School of Engineering and Energy**

Bachelor of Science (BSc) in Sustainable Energy Management

Course Codes: B1190

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Sustainable Energy Management is an important multidisciplinary area devoted to finding new methods of sustainable energy production and improving the efficiency of existing systems. It addresses issues such as the social and environmental aspects of energy use, as well as the economic, policy and technical aspects of conventional and sustainable energy generation and use. The Sustainable Energy Management major will prepare students for a career in this challenging and rapidly expanding field. Graduates can be expected to use their skills in areas such as sustainable energy systems design and planning, energy policy, energy economics, energy management and efficiency, the environmental and social impact of energy systems and their use, as well as sustainable energy research.

The major consists of units in the core areas of conventional and renewable energy. Students then have the flexibility to gain more knowledge, or develop an area of specialisation, in a particular area of interest by completing a minor or double major/double degree. Some of the associated areas with promising employment prospects include science (physics or chemistry), renewable energy engineering, economics, environmental science, policy analysis (sustainable development), computer science, information technology, and commerce (management and marketing).

**Employment Prospects:**

The recent rapid expansion in the renewable energy and energy efficiency industries has led to a global shortage of trained staff, and employment opportunities in this area are expected to continue to grow rapidly. Graduates can expect to gain employment in power generation, renewable energy manufacturing and installation companies, international aid organisations, Government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

This major (including Honours) is available to external students who wish to study off-campus. Using printed and Internet facilities, students may complete this degree without needing to attend the campus. Assistance is provided by tutors, who will correspond by telephone, letter or the Internet. Students wishing to study externally or online without coming to the campus will be more restricted in the elective units they can complete.

**Recommended Double Majors:**

Accounting (BCom); Business Information Systems (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Management (BCom); Marketing (BCom); Physics and Nanotechnology (BSc); Sustainable Development (BA, BSc)

**Recommended Minors:**

Accounting; Business Economics; Computer Science; Economics for Sustainability; Environmental Ethics; Environmental Issues; Environmental Policy; Management; Marketing; Mathematical Modelling; Physics and Nanotechnology; Policy Economics; Public Policy and Management; Sustainable Development

**Excluded Minors:**

Energy Studies

**Main Research Areas:**

Renewable energy, remote area power supply systems, components and monitoring, energy management, properties and applications of thin film solar cells, energy policy and economics.

## 4

**Course Structure - 72 credit points****Course Prerequisites****Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics and their final scaled score in Mathematics 3C/3D within the past three years.

Mathematics 3C/3D with a final scaled score of 55 percent or more

OR

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 15 credit points**

PEC120 General Physics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC190 Introduction to Energy Studies -- 3 pts  
Murdoch: S2-internal, S2-external, Y-external

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**General Electives - 6 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites. Any Murdoch unit taken as a course prerequisite will be considered as a Part I General Elective.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Business Information Systems (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon);

Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Management (BCom); Marketing (BCom); Physics and Nanotechnology (BSc); Sustainable Development (BA, BSc).

A list of recommendations is available from the Academic Chair.

**Part II - 48 credit points****Core Units - 24 credit points**

PEC294 Energy Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC292 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC332 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC390 Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC391 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC393 Energy Economics -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Accounting (BCom); Business Information Systems (BSc); Chemistry (BSc); Computer Science (BSc); Economics (BEcon); Environmental Science (BEnvSc, BSc); Law (Four-Year Degree) (LLB); Management (BCom); Marketing (BCom); Physics and Nanotechnology (BSc); Sustainable Development (BA, BSc).

A list of recommendations is available from the Academic Chair. Also recommended:

PEC287 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC370 Energy Efficient Buildings -- 4 pts  
Murdoch: S1-internal, S1-external

PEC375 Environmental Building Services -- 4 pts  
Murdoch: S2-internal, S2-external

PEC374 Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external

PEC311 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC396 Energy Studies Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external

**HONOURS IN SUSTAINABLE ENERGY MANAGEMENT (BSC(HONS))****School of Engineering and Energy**

Bachelor of Science with Honours (BSc(Hons)) in Sustainable Energy Management

Course Codes: H1163

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The aim of Honours is to extend the student's grasp of the principles and practice of the subject, and to develop ability for independent research. It is an optional fourth year of study for undergraduates with a strong academic record and an interest in research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Employment Prospects:**

Graduates can expect to find enhanced employment opportunities in research and development.

**Admission Requirements (Onshore):**

Students interested in enrolling Honours are advised to contact the Academic Chair before submitting an application to discuss supervision of their potential research project.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

**Main Research Areas:**

Energy management, energy policy, energy systems.

**Course Structure - 24 credit points****Coursework - 8 credit points**

Select appropriate units at 400- to 600-level with the approval of the Academic Chair and the Honours Subcommittee.

**Thesis - 16 credit points**

PEC4099 Honours Thesis in Sustainable Energy Management -- 16 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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**THEOLOGY**

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**THEOLOGY (BA)**

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**School of Social Sciences and Humanities**

Bachelor of Arts (BA) in Theology

Course Codes: B1113

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Theology at Murdoch University is administered in association with the Perth College of Divinity (Inc.), an interdenominational body coordinating the joint teaching of theology amongst the following constituent colleges: John Wollaston Theological College, College of Theology of the University of Notre Dame Australia, and the Perth Theological Hall of the Uniting Church.

**Employment Prospects:**

Students in Theology training for ordained ministry are selected by their respective churches. In addition teachers in church schools need to do some Theology. Other employment prospects exist as church youth workers and chaplains in government schools.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Asian Studies (BA); Community Development (BA); History (BA); Philosophy (BA); Psychology (BPsych, BA); Sociology (BA)

**Recommended Minors:**

Asian Studies; Community Development; Ethics; Modern Social History; Philosophy; Sociology

**Excluded Minors:**

Theology

**Languages and Writing Skills:**

Theology students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 12 credit points**

THE100 Life and Literature of Ancient Israel -- 3 pts  
Murdoch: S1-internal, S1-external

THE102 New Testament and its World -- 3 pts  
Murdoch: S2-internal, S2-external

THE107 Thinking Theology -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 0 to 6 credit points**

Students intending to take Hebrew and/or Greek as a Specified Elective in Part II must ensure they have completed the appropriate prerequisite and must take one or both of the Part I units listed:

THE101 Biblical Hebrew I -- 3 pts  
Murdoch: S1-internal, S1-external

THE103 New Testament Greek I -- 3 pts  
Murdoch: S1-internal, S1-external

**General Electives - 3 to 9 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Asian Studies (BA); Community Development (BA); History (BA); Philosophy (BA); Psychology (BPsych, BA); Sociology (BA).

**Part II - 48 credit points**

**Core Units - 16 credit points**

THE258 Christology -- 4 pts  
Murdoch: S2-internal, S2-external

THE284 Old Testament Exegesis -- 4 pts  
Murdoch: S1-internal, S1-external

THE240 Paul and Early Christian Writings -- 4 pts  
NA 2011

OR

THE287 Jesus and the Gospels -- 4 pts  
Murdoch: S1-internal, S1-external

THE285 History of the Christian Church I: Early to Medieval -- 4 pts  
NA 2011

OR

THE286 History of the Church II: Reformation to Modern -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 8 credit points**

Select from the Part II Core Units not already taken above, or from the following:

THE201 Biblical Hebrew II -- 4 pts  
Murdoch: S2-internal, S2-external

THE203 New Testament Greek II -- 4 pts  
Murdoch: S2-internal, S2-external

THE263 Church, Ministry and Sacraments -- 4 pts  
NA 2011

THE267 Christian Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

THE276 Education in a Faith Community -- 4 pts  
NA 2011

THE237 Pastoral Practicum I -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

THE245 Pastoral Care -- 4 pts  
NA 2011

THE288 Worship and Liturgy -- 4 pts  
NA 2011

THE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-external

THE280 Science and Religion -- 4 pts  
Murdoch: S2-internal, S2-external

THE283 Health and Religion -- 4 pts  
NA 2011

THE281 Hermeneutics -- 4 pts  
Murdoch: S1-internal, S1-external

THE282 World Religions -- 4 pts  
Murdoch: S2-internal, S2-external

Not more than one unit may be selected from the following:

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

EGL237 Narrative: Fiction and Film -- 4 pts  
Murdoch: S1-internal, S1-external

COD236 Developing Community Leadership -- 4 pts  
Murdoch: SUM2-internal (quota of 24 places)

HIS283 Earth, Fire, Wind and Water: Australian Environmental History -- 4 pts  
Murdoch: S1-internal, S1-external

PHL216 Ancient Greek Ideas -- 4 pts  
NA 2011

PHL277 Life, Death and Meaning -- 4 pts  
NA 2011

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Asian Studies (BA); Community Development (BA); History (BA); Philosophy (BA); Psychology (BPsych, BA); Sociology (BA).

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**THEOLOGY (BTHEOL)****School of Social Sciences and Humanities**

Bachelor of Theology (BTheol)  
or Bachelor of Theology with Honours (BTheol(Hons))

Course Codes: B1115; H1225 (no direct entry)

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

Theology at Murdoch University is administered in association with the Perth College of Divinity (Inc.), an interdenominational body coordinating the joint teaching of theology amongst the following constituent colleges: John Wollaston Theological College, College of Theology of the University of Notre Dame Australia, and the Perth Theological Hall of the Uniting Church.

**Employment Prospects:**

Students in Theology training for ordained ministry are selected by their respective churches. In addition teachers in church schools need to do some Theology. Other employment prospects exist as church youth workers and chaplains in government schools.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Excluded Minors:**

Theology

**Professional Recognition:**

This course is a professional qualification for ministry. When completed in conjunction with prescribed Church requirements, it is a recognised university qualification in Western Australia for ordination in the Anglican Church of Australia and the Uniting Church of Australia.

**Languages and Writing Skills:**

Theology students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

## Course Structure - 96 credit points

### Part I - 24 credit points

#### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.

#### Core Units - 15 credit points

THE100 Life and Literature of Ancient Israel -- 3 pts  
Murdoch: S1-internal, S1-external

THE102 New Testament and its World -- 3 pts  
Murdoch: S2-internal, S2-external

THE107 Thinking Theology -- 3 pts  
Murdoch: S1-internal, S1-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

THE101 Biblical Hebrew I -- 3 pts  
Murdoch: S1-internal, S1-external

OR

THE103 New Testament Greek I -- 3 pts  
Murdoch: S1-internal, S1-external

#### General Electives - 6 credit points

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

### Part II - 72 credit points

#### Core Units - 44 credit points

Students should include in their selection of Part II units at least 24 points at 400-level. Honours students should ensure that at least one of their 400-level units is in the same area of studies as their Thesis topic. Before enrolling in these higher-level units students should complete at least 24 points at 200 level, noting the prerequisites for the individual 400-level units.

Students may undertake Honours in their final year of study. To be permitted to undertake Honours students will be required to have maintained a minimum of a Distinction (70 per cent) average for all Part II Theology units undertaken and will need to discuss with the Academic Chair their Honours program of study.

THE258 Christology -- 4 pts  
Murdoch: S2-internal, S2-external

THE284 Old Testament Exegesis -- 4 pts  
Murdoch: S1-internal, S1-external

THE240 Paul and Early Christian Writings -- 4 pts  
NA 2011

OR

THE287 Jesus and the Gospels -- 4 pts  
Murdoch: S1-internal, S1-external

THE285 History of the Christian Church I: Early to Medieval -- 4 pts  
NA 2011

OR

THE286 History of the Church II: Reformation to Modern -- 4 pts  
Murdoch: S1-internal, S1-external

THE263 Church, Ministry and Sacraments -- 4 pts  
NA 2011

OR

THE267 Christian Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

THE237 Pastoral Practicum I -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
OR

THE245 Pastoral Care -- 4 pts  
NA 2011

THE498 Advanced Old Testament Exegesis -- 4 pts  
Murdoch: S2-internal, S2-external

THE477 Advanced New Testament Exegesis -- 4 pts  
Murdoch: S2-internal, S2-external

THE497 Australian Church History -- 4 pts  
NA 2011

OR

THE489 Christianity in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

THE429 Triune God -- 4 pts  
NA 2011

OR

THE490 Systematic Theology Seminar -- 4 pts  
NA 2011

THE491 Homiletics -- 4 pts  
Murdoch: S1-internal

OR

THE438 Spirituality Studies -- 4 pts  
Murdoch: S1-internal, S1-external

OR

THE437 Pastoral Practicum II -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

#### Specified Electives - 28 credit points

Select from the units listed below or Part II Core Units not already taken from the above.

Students intending to undertake Honours must ensure that they contact the Academic Chair before selecting units in their final year of study.

THE203 New Testament Greek II -- 4 pts  
Murdoch: S2-internal, S2-external

THE201 Biblical Hebrew II -- 4 pts  
Murdoch: S2-internal, S2-external

THE288 Worship and Liturgy -- 4 pts  
NA 2011

THE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-external

THE276 Education in a Faith Community -- 4 pts  
NA 2011

THE280/THE480 Science and Religion -- 4 pts  
Murdoch: S2-internal, S2-external

THE282/THE482 World Religions -- 4 pts  
THE282:

Murdoch: S2-internal, S2-external

THE482:

Murdoch: S1-internal, S1-external

THE283/THE483 Health and Religion -- 4 pts  
NA 2011

THE481 Hermeneutics -- 4 pts  
Murdoch: S1-internal, S1-external

\*SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

\*THE4089 Honours Thesis in Bachelor of Theology -- 12 pts  
Murdoch: S1-internal, S2-internal

\*Denotes units required for Honours students. Students must consult with the Academic Chair in order to undertake these units and must include at least one 400 level unit in the same area of studies as their Thesis topic.

### Honours

#### Additional Academic Progress Requirements

Students entering into Honours will be required to have maintained a minimum of a Distinction (70 percent) average for all Part II Core Theology units undertaken.

The award of Honours is available on the basis of distinguished achievement in THE4089 Honours Thesis in Bachelor of Theology -- 12 pts, considered with overall academic performance in SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts and the related 400-level unit taken in the same area of study as the Thesis topic.

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## HONOURS IN THEOLOGY (BA(HONS))

### School of Social Sciences and Humanities

Bachelor of Arts with Honours (BA(Hons)) in Theology

Course Codes: H1131

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

A student who has completed the ordinary Bachelor of Arts Theology degree at a satisfactory level may be admitted to Honours after completion of the ordinary degree.

Students complete the BA Honours by doing an additional 24 credit points beyond the BA.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### Admission Requirements (Onshore):

Students interested in Honours enrolment are advised to contact the Academic Chair before applying to discuss supervision of their potential research.

English competence.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### Course Structure - 24 credit points

### Coursework - 12 credit points

#### Core Unit - 4 credit points

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

#### Elective Units - 8 credit points

Select two 400-level units, at least one of which is in the same area of study as the thesis.

#### Thesis - 12 credit points

THE4009 Honours Thesis in Theology -- 12 pts  
Murdoch: S1-internal, S2-internal

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## TOURISM

### See also:

Hospitality and Tourism Management

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## APPLIED EVENTS MANAGEMENT (BTourAPPEVENTS)

### School of Social Sciences and Humanities

Bachelor of Tourism in Applied Events Management (BTourAppEvents)

Course Codes: B1296

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This course prepares 'work ready' students for employment in a diverse range of occupations requiring the management of events and festivals. Graduates from the Challenger TAFE Diploma of Events will be awarded one year of credit from their previous studies and will enter the course at the second year. Studies will also include a work-based internship unit that will prepare students for a smooth transition into the workforce upon graduation. The qualification provides an opportunity for successful graduates to gain employment in a wide variety of fields dealing in event and festival management. It provides a platform for those students wishing to develop a professional and managerial career taking advantage of local, regional, national and international working opportunities.

#### Employment Prospects:

Tourism and hospitality industry as events coordinators, event planners. Local government in community development through event planning, promotion and organising; State and Federal government in event development, promotion and evaluation.

#### Admission Requirements (Onshore):

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure - 72 credit points

#### Part I - 30 credit points

##### Foundation Unit - 3 credit points

Select one Foundation Unit from the Foundation Units section in this Handbook.



**Core Units - 9 credit points**

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

TOU102 Introduction to Travel and Tourism -- 3 pts  
Murdoch: S2-internal, S2-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**General Electives - 18 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor.

**Part II - 42 credit points****Core Units - 34 credit points**

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

COD235 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

TLC222 Learning and Communicating in Business -- 4 pts  
Murdoch: S1-internal  
Rockingham: S1-external

TOU212 Festivals and Events -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal, S1-external

TOU304 Events and Festivals Management -- 4 pts  
NA 2011

BUS357 Preparation for Internship -- 2 pts  
NA 2011

SSH302 Internship Program -- 8 pts  
NA 2011

**Specified Electives - 8 credit points**

Students must select two of the following:

TOU210 Cultural Tourism Interpretation -- 4 pts  
Murdoch: S2-internal, S2-external

OR

TOU211 Indigenous Tourism Issues -- 4 pts  
NA 2011

COD355 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

OR

MCC246 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external

**TOURISM (BTOUR)****School of Social Sciences and Humanities**

Bachelor of Tourism (BTour)

Course Codes: B1157

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Tourism is a specialist degree that prepares students for employment with a diverse range of knowledge and skills, including analytical, communication and research skills. It provides a detailed understanding of travel and tourism with special attention to policy and planning for sustainable tourism development and destination management.

Knowledge of tourism and tourists is relevant to occupations in many discipline areas, so that it makes an ideal minor or double major for students from a range of majors at Murdoch. Students prepare for special areas of employment such as museums, hotels, national parks and government departments by judicious use of minors and double majors.

**Employment Prospects:**

Tourism industry such as tour operators, accommodation outlets and resorts; travel wholesalers and retailers; government departments and agencies (for example Tourism Western Australia, Conservation and Land Management) at Federal, state and local government levels.

**Admission Requirements (Onshore):**

As per normal undergraduate admission requirements.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Recommended Double Majors:**

Environmental Science (BEnvSc, BSc); Marketing (BCom); Sustainable Development (BA, BSc)

**Recommended Minors:**

Anthropology; Asian Languages; Asian Studies; Community Development; Creative Arts; Public Policy and Management; Security, Terrorism and Counterterrorism; Sociology; Sustainable Development

**Excluded Minors:**

Sustainable Tourism; Tourism

**Main Research Areas:**

Sustainable tourism, community tourism development and planning, sociology of tourism, wildlife tourism.

**Languages and Writing Skills:**

Tourism students are strongly encouraged to include a writing unit in their selection of a general elective at either Part I or Part II. It is also recommended that students consider studying a language other than English, with Indonesian, Japanese, Biblical Hebrew and New Testament Greek, all available at Murdoch through the Asian Studies or Theology courses.

**Course Structure - 72 credit points****Part I - 24 credit points****Foundation Unit - 3 credit points**

Select one Foundation Unit from the Foundation Units section in this Handbook.

**Core Units - 9 credit points**

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

TOU102 Introduction to Travel and Tourism -- 3 pts  
Murdoch: S2-internal, S2-external

SSH100 Ideas in Action -- 3 pts  
Murdoch: S2-internal, S2-external

**General Electives - 12 credit points**

Select from any 100-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Science (BEnvSc, BSc); Marketing (BCom); Sustainable Development (BA, BSc).

**Part II - 48 credit points****Core Units - 16 credit points**

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

TOU301 Tourism Policy and Planning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

TOU302 Tourism Project -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

TOU210 Cultural Tourism Interpretation -- 4 pts  
Murdoch: S2-internal, S2-external

TOU211 Indigenous Tourism Issues -- 4 pts  
NA 2011

ENV279 Nature-Based Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

COD355 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

TOU303 Tourism Management -- 4 pts  
Murdoch: S2-internal

**General Electives - 24 credit points**

Select from any 200- to 400-level units offered by the University, subject to individual unit prerequisites.

Students are advised to consider using these points to meet the requirements of a second major or minor. Recommended double major(s): Environmental Science (BEnvSc, BSc); Marketing (BCom); Sustainable Development (BA, BSc).

**HONOURS IN TOURISM (BTOUR(HONS))****School of Social Sciences and Humanities**

Bachelor of Tourism with Honours (BTour(Hons))

Course Codes: H1223

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The aim of Honours is to extend the student's grasp of the principles and practice of their subject, and to develop ability for independent research.

An Honours qualification of 2A is normally required for admission to higher research degree study.

**Admission Requirements (Onshore):**

Students interested in Honours enrolment are advised to contact the Academic Chair to discuss supervision of their potential research before applying to the University.

English competence.

Applications can be made online at <http://www.murdoch.edu.au/goto/OnlineApplications>

**Course Structure - 24 credit points****Coursework - 12 credit points****Core Units - 4 credit points**

SSH404 Advanced Research Methods in Social Sciences and Humanities -- 4 pts  
Murdoch: S1-internal, S1-external

**Elective Units - 8 credit points**

Select from the following:

TOU4011 Honours Topic in Tourism -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

TOU4012 Honours Topic in Tourism -- 4 pts  
Murdoch: S1-internal, S2-internal, Y-internal

An undergraduate unit (200/300-level) or a Masters unit (500-level) -- 4 pts

**Thesis - 12 credit points**

TOU4019 Honours Thesis in Tourism -- 12 pts  
Murdoch: S1-internal, S2-internal

**VETERINARY SCIENCE****VETERINARY SCIENCE (BVMS, BSC)****School of Veterinary and Biomedical Sciences**

Bachelor of Science (BSc) in Veterinary Biology  
+ Bachelor of Veterinary Medicine and Surgery (BVMS)

Course Codes: B1058

Restriction: Enrolment in this course is subject to restriction.

Duration: 5 years full-time after at least one year full-time or equivalent of general science

**Availability:**

- Murdoch campus (internal)

Veterinary Science is a major health profession with its own system of education, registration, organisation and ethics. Veterinarians are highly trained in skills of diagnosing, treating and preventing health problems in pets, domestic livestock, wildlife and laboratory animals. Additional areas of interest for veterinarians are increasing the productivity of healthy animals and maintaining standards of food production and safety, animal research and public health.

This five-year course of study leads to a registrable professional qualification in veterinary medicine. A degree of Bachelor of Science is awarded after the successful completion of the first five semesters of the course and is a prerequisite for entry to the final part of the course that leads to the degree of Bachelor of Veterinary Medicine and Surgery (BVMS).

There is an entry quota.

**Admission Requirements (Onshore):**

Students will be admitted into the five-year veterinary course after successful completion of one year of tertiary study in a relevant science discipline, which will include some prerequisite units. High ranking school-leavers may apply directly to Veterinary Science and, if selected, will be guaranteed a place provided they meet these

requirements at Murdoch University.

Prerequisite requirements are shown at the beginning of the structure.

Selected local and interstate non-school leaver applicants who have completed the science prerequisites will be offered entry directly into the veterinary course.

English competence.

**Special Requirements:**

Veterinary Science is an animal-based course. Students are required to participate in practical work involving living and dead animals and/or tissue from animals throughout the course.

**Professional Recognition:**

Graduates are eligible for registration to practice veterinary medicine without further examination in Australia and a number of other countries including Great Britain, New Zealand, Malaysia, South Africa, Singapore and Hong Kong. The degrees are also recognised by the American Veterinary Medical Association which, after passing the appropriate National or State licensing examinations, makes Murdoch graduates eligible to practice in the USA and Canada.

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**Course Prerequisites**

Students must successfully complete all the Part 1 units of ONE of the following Murdoch courses, or an equivalent at a recognised tertiary institution: Bachelor of Animal Science; Bachelor of Science in Biological Science; Bachelor of Science in Biomedical Science; Bachelor of Science in Chemistry; Bachelor of Science in Conservation and Wildlife Biology  
AND

Students who have not completed the following will be required to pass them prior to commencing the first year of the course:

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

Year 12 Chemistry with a final scaled score of more than 60%

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

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**Veterinary Biology (BSc)**

The Veterinary Biology degree encompasses both normal and abnormal aspects of vertebrate structure and function. The first year comprises six units which cover animal development, structure, function and metabolism. The second year also comprises six units which cover general aspects of the causes and nature of disease and its control.

A degree of Bachelor of Science is awarded after successful completion of two and a half years of Part II studies. It is a basis for an extra 'sidestep' year of research work in some aspect of veterinary biology, leading to an honours degree. However, it is expected that most students will proceed directly into the final two and half years to complete the BVMS in the minimum time.

**Course Structure - 60 credit points**

**Part II - 60 credit points**

**Core Units - 60 credit points**

**Year 1**

VET240 Veterinary Anatomy I -- 4 pts  
Murdoch: S1-internal

VET241 Veterinary Biochemistry -- 4 pts  
Murdoch: S1-internal

VET243 Veterinary Physiology II -- 4 pts  
Murdoch: S2-internal

VET244 Veterinary Physiology I -- 4 pts  
Murdoch: S1-internal

VET212 Veterinary Anatomy II -- 4 pts  
Murdoch: S2-internal

VET242 Animal Systems I -- 3 pts  
Murdoch: S2-internal

VET209 Veterinary Professional Life I -- 1 pts  
Murdoch: S1-internal

**Year 2**

VET340 Processes in Animal Disease -- 4 pts  
Murdoch: S1-internal

VET341 Veterinary Microbiology -- 4 pts  
Murdoch: S2-internal

VET346 Veterinary Nutrition and Animal Toxicology -- 4 pts  
Murdoch: S1-internal

VET342 Animal Systems II -- 3 pts  
Murdoch: S1-internal

VET347 Veterinary Immunology and Molecular Genetics -- 4 pts  
Murdoch: S2-internal

VET344 Veterinary Parasitology -- 4 pts  
Murdoch: S2-internal

VET348 Veterinary Professional Life II -- 1 pts  
Murdoch: S1-internal

**Year 3**

**Semester 1**

VET345 Veterinary Pharmacology -- 4 pts  
Murdoch: S1-internal

VET343 Veterinary Diagnostic Pathology -- 4 pts  
Murdoch: S1-internal

VET442 Animal Systems III -- 3 pts  
Murdoch: S1-internal

VET429 Veterinary Professional Life III -- 1 pts  
Murdoch: S1-internal

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**Applied Veterinary Medicine (BVMS)**

A further two and a half years of study in Applied Veterinary Medicine leads to a degree of Bachelor of Veterinary Medicine and Surgery (BVMS) which is a registrable veterinary qualification.

The latter years are directed towards the acquisition of knowledge and skills required to diagnose, prevent and treat disease in animals and to optimise animal health and productivity.

## Course Structure - 60 credit points

### Part II - 60 credit points

#### Core Units - 60 credit points

##### Year 3

###### Semester 2

VET459 Surgical Secrets -- 3 pts  
Murdoch: S2-internal

VET456 Anaesthesia, Emergency and Critical Care -- 3 pts  
Murdoch: S2-internal

VET462 Veterinary Diagnostic Imaging -- 3 pts  
Murdoch: S2-internal

VET461 General Small Animal Practice -- 3 pts  
Murdoch: S2-internal

##### Year 4

###### Full Year

VET457 Small Animal Surgery -- 3 pts  
Murdoch: Y-internal

VET463 Reproduction and Obstetrics -- 3 pts  
Murdoch: Y-internal

VET454 Equine Practice -- 4 pts  
Murdoch: Y-internal

###### Semester 1

VET453 Avian, Exotic Pet and Wildlife Practice -- 2 pts  
Murdoch: S1-internal

VET558 Veterinary Professional Life IV -- 1 pts  
Murdoch: S1-internal

###### Semester 2

VET452 Small Animal Medicine -- 4 pts  
Murdoch: S2-internal

VET455 Cattle and Camelid Medicine, Production and Surgery -- 3 pts  
Murdoch: S2-internal

VET419 Small Ruminant Medicine and Production -- 2 pts  
Murdoch: S2-internal

VET451 Intensive Industries Medicine and Production -- 2 pts  
Murdoch: S2-internal

##### Year 5

Year 5 students in 2011 should refer to the online Handbook 2008/09 for the previously prescribed structure.

VET5380 Veterinary Professional Life V -- 1 pts  
NA 2011

Clinical Rotations - 15 pts

Elective Streams - 8 pts

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### Waardong

Waardong provides special entry and academic, social and cultural support for Aboriginal and Torres Strait Islander students enrolled in Veterinary Science.

For further information, see the Waardong entry in the University Access Courses section of the Handbook.

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### Additional Academic Progress Requirements

### Waardong

Progress of Waardong students will be assessed by the Board of Examiners on the recommendation of the Special Education Officer and the Chair of the Waardong Committee.

### Bachelor of Science - Veterinary Entry

Students must successfully complete all units in this course to be eligible for guaranteed progression to the five-year veterinary course (BVMS).

### Veterinary Science (BVMS, BSc)

The BSc in Veterinary Biology can only be undertaken on a full time basis. Part time study is not permitted except in the case of students admitted with advanced standing or who are repeating a unit.

Intermission of enrolment must be approved by the Academic Chair and will only be permitted under exceptional medical or personal circumstances which are supported by documentation. Students in breach of the requirement to be full-time, without prior approval of the Academic Chair (including retrospective withdrawal), must apply in writing to the VBS Admissions Committee for continuing enrolment.

The Academic Chair will consider students in Veterinary Science who have failed the additional academic progress rules and will determine where the rules are to be applied. Details for all students who are in breach of these progress rules will be tabled at Board of Examiners.

Students may fail no more than one unit in each year set of units (i.e., the units normally undertaken in each calendar year of the course under standard full-time enrolment), regardless of whether these are completed in the same calendar year. Students who fail more than one unit from any year set of units will be excluded from the course.

A fail in any unit means that the unit will need to be repeated in the following year. Permission to overload will not be given to students who have failed a core unit.

Students with credit and exemptions, or those repeating units after failure may apply to the Academic Chair for permission to take one or two units from the next year set of units so as to maintain a balanced load.

Students may not enter the Applied Veterinary Medicine (BVMS) course until they have completed all units and unit components from the BSc Veterinary Biology, or equivalent, and are eligible for award of the degree.

Students who are exempt from units that require animal handling shall, for safety reasons, be required to sit and pass a practical examination in animal handling.

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## HONOURS IN APPLIED VETERINARY MEDICINE (BVMS(HONS))

### School of Veterinary and Biomedical Sciences

The University is in the process of altering its award of Merit Honours to an award of degree with Distinction or with High Distinction.

Please check the online Handbook at a later date.

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## **HONOURS IN VETERINARY BIOLOGY (BSC(HONS))**

### **School of Veterinary and Biomedical Sciences**

Bachelor of Science with Honours (BSc(Hons)) in Veterinary Biology

Course Codes: H1053

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Honours course aims to train students for independent research as well as to provide advanced or broadening studies within the student's chosen field. A wide range of disciplines is available for study: it includes anatomy, bacteriology, biochemistry, embryology, epidemiology, histology, immunology, nutrition, parasitology, pathology, pharmacology, physiology, toxicology, virology, and clinical sciences.

Further details of the Honours course and areas of study can be obtained from the Chair of the Honours Subcommittee.

An Honours qualification of 2A is normally required for admission to higher research degree study.

#### **Admission Requirements (Onshore):**

Students enrolled in veterinary science may, at the completion of third year, apply to undertake an additional year of honours-level studies in an aspect of veterinary science.

Honours-level studies in Veterinary Biology are also open to students who have completed a science degree at a satisfactory level either at Murdoch University or another tertiary institution and who wish to undertake advanced studies and gain experience in one of the several disciplines in Veterinary Biology.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

Applications can be made online at  
<http://www.murdoch.edu.au/goto/OnlineApplications>

### **Course Structure - 24 credit points**

The principal component of the Honours course is a research project and thesis. This project is selected in consultation with the student's supervisor and must have the approval of the School Committee. Students will also be expected to undertake guided reading intended to broaden their area of expertise in topics other than those directly related to the specific area of the research topic. In certain cases, depending upon previous academic background and experience, students may be expected to attend relevant lectures and practical classes of units or unit components when these are available. Two seminars will be presented by each student, an introductory seminar on the thesis topic and a final seminar on the project results.

Students taking the honours year should enrol in

VET4009 Honours Thesis in Veterinary Biology -- 24 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external  
(24 points full-time or 12 points part-time)

# Minors

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

Minor	Parent Major
Accounting	Accounting (BCom)
Acting and Screen	Theatre and Drama (BA)
Advanced Networking	Internetworking and Security (BSc)
Animal Biology	Biological Sciences (BSc)
Anthropology	Asian Studies (BA)
Applied Statistics	Mathematics and Statistics (BSc)
Asian Languages	Asian Studies (Specialist) (BAsianSt)
Asian Studies	Asian Studies (BA)
Australian Indigenous Studies	Australian Indigenous Studies (BA)
Banking	Banking (BCom)
Biomedical Science	Biomedical Science (BSc)
Business Economics	Economics (BEcon)
Business Law	Business Law (BCom)
Chinese Business	Commerce (BCom)
Community Development	Community Development (BA)
Computer Science	Computer Science (BSc)
Computer Technology	Computer Science (BSc)
Conservation Biology	Conservation and Wildlife Biology (BSc)
Creative Arts	English and Creative Writing (BA)
Creative Writing	English and Creative Writing (BA)
Criminology	Criminology (BCrim)
Cultural Literacies	Gender and Cultural Studies (BA)
Cyber Forensics	Cyber Forensics, Information Security and Management (BSc)
Derivative Securities	Finance (BCom)
Developmental Psychology	Psychology (BPsych, BA)
Digital Marketing	Marketing (BCom)
Economics for Sustainability	Sustainable Development (BA, BSc)
Ecosystem Management	Environmental Science (BEnvSc, BSc)
Employment Relations	Human Resource Management (BCom)
Energy Studies	Sustainable Energy Management (BSc)
Entrepreneurship and Innovation	Entrepreneurship and Innovation (BCom)
Environmental Ethics	Sustainable Development (BA, BSc)
Environmental Issues	Environmental Science (BEnvSc, BSc)
Environmental Policy	Sustainable Development (BA, BSc)
Ethics	Philosophy (BA)
Family and Social Welfare Law	Legal Studies (BLS)
Finance Law	Business Law (BCom)
Fisheries Science	Marine Science (BSc)
Forensic Biology	Forensic Biology and Toxicology (BForensics)
Foundations of Information Systems	Business Information Systems (BSc)
Fundamentals of Networking	Internetworking and Security (BSc)
Games Design	Interactive Digital Design (BDMedia)
Health Psychology	Psychology (BPsych, BA)
Human Resource Management	Human Resource Management (BCom)
Inclusive Education	Education (BEd) [Primary Teaching] (Four Years)
Indigenous Sustainability	Australian Indigenous Studies (BA)
Infection and Immunity	Biomedical Science (BSc)
Information Management	Cyber Forensics, Information Security and Management (BSc)
Information Security	Cyber Forensics, Information Security and Management (BSc)
International Studies	Politics and International Studies (BA)

Minor	Parent Major
Internet and Multimedia Computing	Internet Software Development (BSc)
Internet Computing	Internet Software Development (BSc)
Issues in Global Development	Sustainable Development (BA, BSc)
Journalism	Journalism (BMassComm)
Legal Studies	Legal Studies (BLS)
Literature	English and Creative Writing (BA)
Management	Management (BCom)
Marine Biology	Marine Science (BSc)
Marketing	Marketing (BCom)
Mass Communication	Communication and Media Studies (BCommun)
Mathematical Modelling	Mathematics and Statistics (BSc)
Media Studies	Communication and Media Studies (BCommun)
Modern Social History	History (BA)
Molecular Biology	Molecular Biology (BSc)
Multimedia Production	Interactive Digital Design (BDMedia)
Network Security	Internetworking and Security (BSc)
New Media	Interactive Digital Design (BDMedia)
Nutritional Biochemistry	Biomedical Science (BSc)
Organisational Psychology	Psychology (BPsych, BA)
Philosophy	Philosophy (BA)
Photography	Screen Production (BMedia)
Physics and Nanotechnology	Physics and Nanotechnology (BSc)
Physiology and Pharmacology	Biomedical Science (BSc)
Policy Economics	Economics (BEcon)
Politics	Politics and International Studies (BA)
Pollution Science	Environmental Science (BEnvSc, BSc)
Public Policy and Management	Public Policy and Management (BA)
Public Relations	Public Relations (BMassComm)
Radio	Journalism (BCommun)
Science Communication	Education (BEd) [Primary Teaching] (Four Years)
Screen Production	Screen Production (BMedia)
Scriptwriting	Screen Production (BMedia)
Security, Terrorism and Counterterrorism	Security, Terrorism and Counterterrorism Studies (BA)
Social Psychology	Psychology (BPsych, BA)
Sociology	Sociology (BA)
Software Development	Computer Science (BSc)
Sound	Sound (BMedia)
Sustainable Development	Sustainable Development (BA, BSc)
Sustainable Tourism	Tourism (BTour)
Technology and Innovation Policy	Sustainable Development (BA, BSc)
Theatre and Drama Studies	Theatre and Drama (BA)
Theology	Theology (BTheol, BA)
Tourism	Tourism (BTour)
Urban and Regional Sustainability	Sustainable Development (BA, BSc)
Women's Studies	Gender and Cultural Studies (BA)

## ACCOUNTING

### *Murdoch Business School*

#### **Parent Major:**

Accounting (BCom)

#### **Excluded Majors:**

Accounting (BCom)

### **Minor Structure - 18 credit points**

#### **Core Units - 14 credit points**

##### **Part I**

BUS160 Introduction to Accounting -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

ICT105 Introduction to Information Technology -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external  
Peel: S2-internal  
Rockingham: S1-internal

##### **Part II**

BUS217 Technology and Accounting Processes -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal  
KDUPJ: S1K-internal, S2K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS256 Contemporary Financial Accounting -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

#### **Specified Electives - 4 credit points**

Select from the following:

BUS310 Accounting Theory and Accountability -- 4 pts  
Murdoch: S2-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

BUS227 Management Accounting -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS312 Auditing -- 4 pts  
Murdoch: S2-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

BUS313 Taxation -- 4 pts  
Murdoch: S1-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

## ACTING AND SCREEN

### *School of Social Sciences and Humanities*

#### **Parent Major:**

Theatre and Drama (BA)

### **Minor Structure - 18 credit points**

#### **Core Units - 18 credit points**

##### **Part I - 6 credit points**

MCC128 Screen Production I -- 3 pts  
Murdoch: S1-internal (quota of 102 places), S2-internal  
DUBAI-ISC: N2-internal

EGL106 Introduction to Drama -- 3 pts  
Murdoch: S2-internal

##### **Part II - 12 credit points**

Select three units from the list below:

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL329 Acting and Production II -- 4 pts  
Murdoch: S2-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

MCC248 Screen Texts -- 4 pts  
Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

## ADVANCED NETWORKING

### *School of Information Technology*

#### **Parent Major:**

Internetworking and Security (BSc)

#### **Special Requirements:**

Internet access is required for all students and on-campus attendance is necessary for some units.

#### **Excluded Majors:**

Internetworking and Security (BSc)

### **Minor Structure - 14 credit points**

#### **Core Units - 14 credit points**

##### **Part I**

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT120 Principles of Data Communications -- 3 pts  
Murdoch: S2-internal

##### **Part II**

ICT363 Network Switching -- 4 pts  
Murdoch: S1-internal

ICT347 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

## ANIMAL BIOLOGY

### *School of Biological Sciences and Biotechnology*

#### **Parent Major:**

Biological Sciences (BSc)



**Minor Structure - 14 credit points****Core Units - 14 credit points****Part I**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

**Part II**

Plus two units from the following:

BIO261 Animal Diversity -- 4 pts  
Murdoch: S1-internal

BIO317 Wildlife Biology -- 4 pts  
Murdoch: S2-internal

BIO205 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal

**ANTHROPOLOGY****School of Social Sciences and Humanities****Parent Major:**

Asian Studies (BA)

**Minor Structure - 14 to 16 credit points****Core Units - 4 credit points****Part II**

AST212 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 10 to 12 credit points**

Select from the following:

**Part I**

AIS174 Contemporary Indigenous Cultural Expression -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II**

AST250/AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

AST258/AST558 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

PHL217 Meaning and Interpretation -- 4 pts  
NA 2011

Students may also wish to consider cross-enrolment in the following UWA units:

ANTH2237 Ethnographic Research Methods -- 3 pts equivalent

ANTH2204 Visual Representations of Cultures -- 3 pts equivalent

See: <http://handbooks.uwa.edu.au>

For the Cross-Institutional Enrolment form see:  
<http://www.murdoch.edu.au/goto/StudentForms>

**APPLIED STATISTICS****School of Chemical and Mathematical Sciences****Parent Major:**

Mathematics and Statistics (BSc)

**Excluded Majors:**

Mathematics and Statistics (BSc) [unless appropriate units are selected]

**Minor Structure - 11 credit points****Core Units - 11 credit points**

Select one unit from each of the following three groups.

**Group 1**

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

**Group 2**

MAS230 Biostatistical Methods -- 4 pts  
Murdoch: S2-internal, S2-external

MAS278 Probability and Statistical Inference -- 4 pts  
Murdoch: S1-internal, S1-external

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Group 3**

MAS368 Time Series and Multivariate Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

MAS374 Statistical Design and Data Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

**ASIAN LANGUAGES****See also:**

Asian Studies

**School of Social Sciences and Humanities****Parent Major:**

Asian Studies (Specialist) (BAsianSt)

**Special Requirements:**

Units taken depend on language chosen and initial level of proficiency. At least 8 points must be at Part II. Students should contact the Academic Chair to plan their minor.

Note that language units must be taken sequentially and Part I units (or equivalent language proficiency) are prerequisite for subsequent units.

**Excluded Majors:**

Asian Studies (Specialist) (BAsianSt) [unless taken in a different language]

**Minor Structure - at least 12 credit points****Core Units - at least 12 credit points**

**Indonesian****Part I**

Note: Language units are sequential.

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II**

Note: Language units are sequential.

IND261 Indonesian 2A -- 4 pts  
Murdoch: S1-internal, S1-external

IND262 Indonesian 2B -- 4 pts  
Murdoch: S2-internal, S2-external

IND361 Indonesian 3A -- 4 pts  
Murdoch: S1-internal, S1-external

IND362 Indonesian 3B -- 4 pts  
Murdoch: S2-internal, S2-external

IND452 Indonesian Language Project -- 4 pts  
NA 2011

**Japanese****Part I**

Note: Language units are sequential.

JPN171 Japanese IA -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese IB -- 6 pts  
Murdoch: S2-internal

**Part II**

Note: Language units are sequential.

JPN204 Japanese IIA -- 4 pts  
Murdoch: S1-internal

JPN205 Japanese IIB -- 4 pts  
Murdoch: S2-internal

JPN363 Japanese IIIA -- 4 pts  
Murdoch: S1-internal

JPN364 Japanese IIIB -- 4 pts  
Murdoch: S2-internal

JPN452 Japanese Language Project -- 4 pts  
NA 2011

**Core Units - 3 credit points****Part I**

AST101 Introduction to Contemporary Asia -- 3 pts  
NA 2011

OR

AST102 Introduction to Asian Cultures -- 3 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points****Part II**

Select from the following:

AST252 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

IND271 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

JPN208 Japan in the World: Nation, Culture, Image -- 4 pts  
NA 2011

HIS210 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

JPN214 Postwar Japan -- 4 pts  
NA 2011

AST256 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

AST276 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

AST250 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

AST258 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

BUS241 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

HIS226/HIS626 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

POL257 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

LAW334 Indonesian Law -- 4 pts  
NA 2011

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

**ASIAN STUDIES****See also:**

Asian Languages

**School of Social Sciences and Humanities****Parent Major:**

Asian Studies (BA)

**Excluded Majors:**

Asian Studies (BA); Asian Studies (Specialist) (BAsianSt)

**Minor Structure - 15 credit points****AUSTRALIAN INDIGENOUS STUDIES****Kulbardi Centre****Parent Major:**

Australian Indigenous Studies (BA)

**Excluded Majors:**

Australian Indigenous Studies (BA); Education (BEd) [Primary Teaching] (Four Years) + Australian Indigenous Studies (BA)

**Minor Structure - 15 credit points****Core Units - 3 credit points****Part I**

Select from the following:

AIS180 Introduction to Australian Indigenous Studies -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AIS174 Contemporary Indigenous Cultural Expression -- 3 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 12 credit points****Part II**

Select from the following:

AIS205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

AIS281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

AIS228 Our Mob: Indigenous Families -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AIS301 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

NUR234 Indigenous Culture and Health Care -- 4 pts  
Peel: S2-internal

**BANKING****Murdoch Business School****Parent Major:**

Banking (BCom)

**Excluded Majors:**

Banking (BCom)

**Minor Structure - 15 credit points****Core Units - 3 credit points****Part I**

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S2K-internal

**Specified Electives - 12 credit points****Part II**

Select from the following:

BUS224 Corporate Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal  
Rockingham: S1-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T2A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS244 Treasury Management -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS326 Commercial Banking -- 4 pts  
Murdoch: S2-internal  
SGP1: T2B-internal

BUS337 Credit and Lending Decisions -- 4 pts  
Murdoch: S1-internal  
SGP1: T2B-internal

**BIOMEDICAL SCIENCE****School of Veterinary and Biomedical Sciences****Parent Major:**

Biomedical Science (BSc)

**Excluded Majors:**

Biomedical Science (BSc); Forensic Biology and Toxicology (BForensics) + Molecular Biology (BSc) + Biomedical Science (BSc)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internal

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

**Part II**

BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internal

BMS265 Medical Immunology and Molecular Genetics -- 4 pts  
Murdoch: S2-internal

OR

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts  
Murdoch: S2-internal

OR

BMS203 Comparative and Human Microbiology -- 4 pts  
Murdoch: S2-internal

BMS360 Mechanisms of Disease -- 4 pts  
Murdoch: S1-internal

**BUSINESS ECONOMICS****Murdoch Business School****Parent Major:**

Economics (BEcon)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I - 3 credit points**

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
SB4-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

**Part II - 12 credit points**

Select from the following:

BUS272 Changing Economies of Asia -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal, SB4-internal  
SGP1: T1B-internal, T3B-internal

BUS208 Quantitative Methods for Business and Economics -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N1-internal

BUS290 International Financial Markets and Institutions -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

**BUSINESS LAW****Murdoch Business School****Parent Major:**

Business Law (BCom)

**Excluded Majors:**

Business Law (BCom)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I - 3 credit points**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

**Part II - 12 credit points**

Select from the following:

BUS228 Workplace Law -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS209 Marketing and Advertising Law -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T2A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

BUS216 Technology and the Law -- 4 pts  
Murdoch: S2-internal

BUS206 Finance Law -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS207 Tourism and Hospitality Law -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS328 Company Law -- 4 pts  
Murdoch: S2-internal  
Rockingham: S2-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

**CHINESE BUSINESS****Murdoch Business School****Parent Major:**

Commerce (BCom)

**Excluded Majors:**

Chinese Business (BCom)

**Minor Structure - 15 to 16 credit points****Core Units - 12 credit points**

BUS234 Chinese Economy -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal

BUS241 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

BUS243 Chinese Business -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 3 to 4 credit points**

Select from the following:

BUS102 Introductory Chinese -- 3 pts  
Murdoch: S2-internal, S2-external

BUS233 Conversational Chinese -- 4 pts  
Murdoch: S1-internal

BUS346 Writing and Translating Chinese -- 4 pts  
Murdoch: S2-internal

LAW257 Law in China: Continuity and Change -- 4 pts  
Murdoch: S1-internal

**COMMUNITY DEVELOPMENT****School of Social Sciences and Humanities****Parent Major:**

Community Development (BA)

**Excluded Majors:**

Community Development (BA)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I - 6 credit points**

COD125 Introduction to Community Development -- 3 pts  
Murdoch: S1-internal, S1-external

SOC134 Introduction to Sociology -- 3 pts  
Murdoch: S1-internal, S1-external

OR

SOC105 Sociology and Everyday Life -- 3 pts  
Murdoch: S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Part II - 12 credit points**

Select from the following:

COD235 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

COD334 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

COD324 Projects in Community Development -- 4 pts  
Murdoch: S2-internal, S2-external

SOC230 Australian Youth Culture -- 4 pts  
Murdoch: S2-internal, S2-external

COD355 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

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**COMPUTER SCIENCE****School of Information Technology****Parent Major:**

Computer Science (BSc)

**Excluded Majors:**

Computer Science (BSc); Internet Software Development (BSc)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II**

ICT209 Data Structures and Abstractions -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

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**COMPUTER TECHNOLOGY****See also:**

Computer Science

**School of Information Technology****Parent Major:**

Computer Science (BSc)

**Excluded Majors:**

Internet Software Development (BSc); Internetworking and Security (BSc)

**Minor Structure - 14 credit points****Core Units - 14 credit points****Part I**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II**

ICT338 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT339 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

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**CONSERVATION BIOLOGY****School of Biological Sciences and Biotechnology****Parent Major:**

Conservation and Wildlife Biology (BSc)

**Excluded Majors:**

Conservation and Wildlife Biology (BSc)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

**Part II**

BIO317 Wildlife Biology -- 4 pts  
Murdoch: S2-internal

BIO368 Conservation Biology -- 4 pts  
Murdoch: S1-internal

ENV268 Ecology -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T3B-internal

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**CREATIVE ARTS****School of Social Sciences and Humanities****Parent Major:**

English and Creative Writing (BA)

**Minor Structure - 15 credit points****Core Units - 3 credit points****Part I**

EGL114 Introduction to Creative Arts -- 3 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points****Part II**

Select from the following:

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts  
Murdoch: S1-internal, S1-external

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL215 Design -- 4 pts  
Murdoch: S2-internal

EGL298 Representation and Gender -- 4 pts  
Murdoch: S2-internal, S2-external

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## CREATIVE WRITING

*School of Social Sciences and Humanities*

**Parent Major:**

English and Creative Writing (BA)

**Excluded Majors:**

English and Creative Writing (BA)

### Minor Structure - 15 credit points

#### Core Units - 3 credit points

**Part I**

EGL122 Creative Writing: Text and Practice I -- 3 pts  
Murdoch: S1-internal, S1-external

OR

EGL150 Writing for Professional Purposes -- 3 pts  
Murdoch: S1-internal

#### Specified Electives - 12 credit points

**Part II**

Select from the following:

EGL260 Project in Creative Writing -- 4 pts  
Murdoch: S1-internal

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts  
Murdoch: S1-internal, S1-external

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

EGL234 Literary Journalism -- 4 pts  
Murdoch: S1-internal

MCC353 Writing for the Screen -- 4 pts  
Murdoch: S2-internal

MCC204 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal

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## CRIMINOLOGY

**See also:**

Legal Studies

**School of Law**

**Parent Major:**

Criminology (BCrim)

**Excluded Majors:**

Criminology (BCrim)

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

**Part I - 3 credit points**

LEG100 Law, Justice and Social Policy -- 3 pts  
Murdoch: S2-internal

OR

LEG150 Australian Legal System -- 3 pts  
Murdoch: S1-internal

**Part II - 12 credit points**

Select from the following:

LEG219 Criminal Law in Western Australia -- 4 pts  
Murdoch: S1-internal

CRM220 Sentencing and Penology -- 4 pts  
Murdoch: S1-internal

CRM209 Psychology and Law -- 4 pts  
Murdoch: S2-internal

CRM205 Criminal Justice -- 4 pts  
Murdoch: S1-internal

CRM206 Criminology -- 4 pts  
Murdoch: S2-internal

CRM210 Criminal Behaviour -- 4 pts  
Murdoch: S1-internal

CRM300 Special Topics in Criminology -- 4 pts  
Topic not currently offered

CRM3002 Special Topics in Criminology -- 4 pts  
Topic not currently offered

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## CULTURAL LITERACIES

*School of Media Communication and Culture*

**Parent Major:**

Gender and Cultural Studies (BA)

**Excluded Majors:**

Gender and Cultural Studies (BA)

### Minor Structure - 15 credit points

#### Core Units - 7 credit points

MCC102 Introduction to Gender and Cultural Studies -- 3 pts  
Murdoch: S1-internal, S1-external

MCC322 Reading Image and Text -- 4 pts  
Murdoch: S2-internal, S2-external

#### Specified Electives - 8 credit points

Select from the following:

MCC219 Contemporary Cultures and the Small Screen -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

MCC235 Popular Culture and Everyday Life -- 4 pts  
Murdoch: S1-internal, S1-external

MCC337 Cultural and Media Policy -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

MCC356 Sexuality, Bodies and Culture -- 4 pts  
Murdoch: S2-internal, S2-external

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## CYBER FORENSICS

*School of Information Technology*

**Parent Major:**

Cyber Forensics, Information Security and Management (BSc)

### Minor Structure - 11 credit points

#### Core Units - 11 credit points

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

ICT248 Cyber Forensics -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal

ICT349 Forensic Data Analysis -- 4 pts  
Murdoch: S1-internal, S1-external

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## DERIVATIVE SECURITIES

*Murdoch Business School*

**Parent Major:**

Finance (BCom)

**Excluded Majors:**

Finance (BCom)

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

##### Part I

BUS140 Principles of Finance and Banking -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S2K-internal

##### Part II

BUS244 Treasury Management -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS322 International Finance -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS325 Derivative Securities -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1B-internal, T3B-internal

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## DEVELOPMENTAL PSYCHOLOGY

*School of Psychology*

**Parent Major:**

Psychology (BPsych, BA)

**Special Requirements:**

On-campus attendance.

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

##### Part I - 3 credit points

Select from the following:

PSY171 Introduction to Applications of Psychology -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY141 Introduction to Psychological Science -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

##### Part II - 12 credit points

PSY247 Psychology: Human Development -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY249 Psychology: The Developing Mind -- 4 pts  
Murdoch: S2-internal

PSY356 Psychology: Family Relations and Social Development -- 4 pts  
Murdoch: S1-internal

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## DIGITAL MARKETING

*Murdoch Business School*

**Parent Major:**

Marketing (BCom)

**Excluded Minors:**

Marketing

### Minor Structure - 18 credit points

#### Core Units - 10 credit points

##### Part I

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

##### Part II

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal  
SGP1: T2B-internal

#### Specified Electives - 8 credit points

##### Part II

Select from the following:

BUS273 Consumer Behaviour -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal

SGP1: T2B-internal

ICT208 Business Intelligence Tools and Techniques -- 4 pts

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

BUS336 Integrated Marketing Communications -- 4 pts

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

SGP1: T2B-internal

BUS305 Digital Marketing -- 4 pts

Murdoch: S1-internal, S2-internal

ICT211 Web Computing -- 4 pts

Murdoch: S2-internal, S2-external

ICT218 Databases -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

KAPLAN-SGP: T2A-internal, T3A-internal

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## ECONOMICS FOR SUSTAINABILITY

**See also:**

Sustainable Development

**School of Sustainability****Parent Major:**

Sustainable Development (BA, BSc)

**Minor Structure - 15 credit points****Core Units - 15 credit points**

STP108 Introduction to Sustainable Development -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: N1-internal

Plus 12 credit points from the following:

STP205 Economics for Sustainability -- 4 pts

Murdoch: W3-internal, W3-external

STP330 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

PEC393 Energy Economics -- 4 pts

Murdoch: H-external, S1-internal, S1-external

BUS250 The Economics of Global Climate Change -- 4 pts

Murdoch: S2-internal, S2-external

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## ECOSYSTEM MANAGEMENT

**School of Environmental Science****Parent Major:**

Environmental Science (BEnvSc, BSc)

**Excluded Majors:**

Environmental Science (BEnvSc, BSc)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

BIO103 Environmental Biology -- 3 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

ENV102 Introduction to Environmental Science -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

DUBAI-ISC: N1-internal, N2-internal

**Part II**

ENV268 Ecology -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T3B-internal

ENV319 Environmental Management -- 4 pts

Murdoch: S2-internal, S2-external

ENV324 Environmental Restoration -- 4 pts

Murdoch: S1-internal, S1-external

OR

ENV311 Managing Wetlands and Water -- 4 pts

Murdoch: S2-internal, S2-external

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## EMPLOYMENT RELATIONS

**See also:**

Human Resource Management

**Murdoch Business School****Parent Major:**

Human Resource Management (BCom)

**Excluded Majors:**

Human Resource Management (BCom); Management (BCom)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

BUS145 Principles of Management -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external,

SB4-internal

DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

BUS165 Principles of Commercial Law -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external,

W2-internal

DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

**Part II**

BUS222 Employee Relations -- 4 pts

Murdoch: S1-internal, S1-external

KDUPJ: S1K-internal

BUS228 Workplace Law -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

BUS375 Human Resource Economics -- 4 pts

Murdoch: S2-internal, S2-external, SB4-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S2K-internal, SB4-internal

SGP1: T1B-internal, T3B-internal



## ENERGY STUDIES

### School of Engineering and Energy

#### Parent Major:

Sustainable Energy Management (BSc)

#### Excluded Majors:

Sustainable Energy Management (BSc)

### Minor Structure - at least 11 credit points

#### Core Units - 4 credit points

PEC292 Energy in Society -- 4 pts

Murdoch: S1-internal, S1-external, S2-external, Y-external

#### Specified Electives - at least 7 credit points

Select from the following:

PEC190 Introduction to Energy Studies -- 3 pts

Murdoch: S2-internal, S2-external, Y-external

PEC294 Energy Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC390 Energy Systems -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

PEC391 Energy Policy -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

PEC393 Energy Economics -- 4 pts

Murdoch: H-external, S1-internal, S1-external

PEC332 Greenhouse Science and Policy -- 4 pts

Murdoch: H-external, S1-internal, S1-external

PEC287 Renewable Energy and Sustainable Development -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

PEC396 Energy Studies Project -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external

PEC370 Energy Efficient Buildings -- 4 pts

Murdoch: S1-internal, S1-external

PEC311 Greenhouse Accounting and Life Cycle Assessment -- 4 pts

Murdoch: S2-internal, S2-external, Y-external

## ENTREPRENEURSHIP AND INNOVATION

### Murdoch Business School

#### Parent Major:

Entrepreneurship and Innovation (BCom)

#### Special Requirements:

On-campus attendance.

#### Excluded Majors:

Biotechnology (BSc) + Management (BCom), Biotechnology (BSc) + Marketing (BCom), Biotechnology (BSc) + Entrepreneurship and Innovation (BCom); Entrepreneurship and Innovation (BCom)

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

##### Part I

BUS145 Principles of Management -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal

DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

##### Part II

BUS274 Entrepreneurship in Organisations -- 4 pts

Murdoch: S2-internal, S2-external

BUS215 Business Feasibility and Management Concepts -- 4 pts

Murdoch: S1-internal

BUS331 Applied Sustainable Entrepreneurship and Business

Innovation -- 4 pts

Murdoch: S2-internal

## ENVIRONMENTAL ETHICS

#### See also:

Sustainable Development

#### School of Sustainability

#### Parent Major:

Sustainable Development (BA, BSc)

### Minor Structure - 16 credit points

#### Core Units - 16 credit points

STP206 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

STP370 Policy, Technology and Democracy -- 4 pts

Murdoch: S2-internal, S2-external

STP3321 Sustainable Development Internship/Project -- 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP311 Resilient Regions: People and Practice -- 4 pts

Murdoch: SB6-internal (quota of 40 places)

## ENVIRONMENTAL ISSUES

### School of Environmental Science

#### Parent Major:

Environmental Science (BEnvSc, BSc)

#### Excluded Majors:

Environmental Technology (BSc) [unless appropriate units are selected]

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

##### Part I - 3 credit points

ENV104 Australian Environmental Issues -- 3 pts

Murdoch: S2-internal, S2-external

OR

ENV102 Introduction to Environmental Science -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

DUBAI-ISC: N1-internal, N2-internal

##### Part II - 12 credit points

Select from the following:

PEC332 Greenhouse Science and Policy -- 4 pts

Murdoch: H-external, S1-internal, S1-external

ENV212 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T2B-internal

ENV222 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T1B-internal

ENV210 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

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## ENVIRONMENTAL POLICY

### **See also:**

Sustainable Development

### **School of Sustainability**

#### **Parent Major:**

Sustainable Development (BA, BSc)

### **Minor Structure - 15 credit points**

#### **Core Units - 3 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

#### **Specified Electives - 12 credit points**

Select from the following:

ENV228 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV316 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

LAW356 Environmental, Sustainability and Climate Change Law -- 4 pts  
Murdoch: AU2-internal

PEC332 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

STP370 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

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## ETHICS

### **See also:**

Philosophy

### **School of Social Sciences and Humanities**

#### **Parent Major:**

Philosophy (BA)

#### **Excluded Majors:**

Philosophy (BA)

### **Minor Structure - 11 credit points**

#### **Core Unit - 3 credit points**

Select from the following:

PHL130 Introduction to Philosophy -- 3 pts  
Murdoch: S2-internal, S2-external

PHL131 Critical and Creative Thinking -- 3 pts  
Murdoch: S1-internal, S1-external

ANS106 Animal and Human Bioethics -- 3 pts  
Murdoch: S2-internal

### **Specified Electives - 8 credit points**

Select from the following:

PHL219 Ethics, Responsibility and Justice -- 4 pts  
Murdoch: S1-internal, S1-external

PHL272 Ethics in Practice -- 4 pts  
Murdoch: S2-internal, S2-external

PHL277 Life, Death and Meaning -- 4 pts  
NA 2011

PHL215 Love and Friendship -- 4 pts  
Murdoch: S1-internal, S1-external

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

THE267 Christian Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

MCC245 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal

DUBAI-ISC: N2-internal  
SGP1: T1B-internal, T3B-internal

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## FAMILY AND SOCIAL WELFARE LAW

### **See also:**

Criminology  
Legal Studies

### **School of Law**

#### **Parent Major:**

Legal Studies (BLS)

### **Minor Structure - 15 credit points**

#### **Core Units - 15 credit points**

##### **Part I - 3 credit points**

LEG100 Law, Justice and Social Policy -- 3 pts  
Murdoch: S2-internal

OR

LEG150 Australian Legal System -- 3 pts  
Murdoch: S1-internal

##### **Part II - 12 credit points**

Select from the following:

LEG246 Children and the Law -- 4 pts  
Murdoch: S1-internal

LEG221 Dispute Resolution -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

LEG223 Social and Welfare Law -- 4 pts  
Murdoch: S2-internal

LEG207 Mediation -- 4 pts  
Murdoch: SP18-internal

LEG208 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

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## FINANCE LAW

**Murdoch Business School**

**Parent Major:**

Business Law (BCom)

**Excluded Majors:**

Business Law (BCom)

**Minor Structure - 15 credit points**

**Core Units - 15 credit points**

**Part I**

BUS165 Principles of Commercial Law -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

**Part II**

BUS206 Finance Law -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

BUS328 Company Law -- 4 pts  
Murdoch: S2-internal  
Rockingham: S2-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

BUS313 Taxation -- 4 pts  
Murdoch: S1-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

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## FISHERIES SCIENCE

**School of Biological Sciences and Biotechnology**

**Parent Major:**

Marine Science (BSc)

**Special Requirements:**

On-campus attendance required for BIO205 Sustainable Management of Fish and Wildlife.

**Minor Structure - 18 credit points**

**Core Units - 14 credit points**

**Part I**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

OR

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II**

BIO205 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal

ENV203 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T3B-internal

**Specified Electives - 4 credit points**

Select from the following:

MAS230 Biostatistical Methods -- 4 pts  
Murdoch: S2-internal, S2-external

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

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## FORENSIC BIOLOGY

**See also:**

Biomedical Science  
Molecular Biology

**School of Biological Sciences and Biotechnology**

**Parent Major:**

Forensic Biology and Toxicology (BForensics)

**Special Requirements:**

On-campus attendance is required for some units.

**Excluded Majors:**

Forensic Biology and Toxicology (BForensics); Forensic Biology and Toxicology (BForensics) + Molecular Biology (BSc) + Biomedical Science (BSc); Molecular Biology (BSc)

**Excluded Minors:**

Molecular Biology

**Minor Structure - 18 credit points**

**Minor Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 18 credit points**

**Part I**

BIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II**

BIO212 Genetic Engineering -- 4 pts  
Murdoch: S1-internal

BIO313 Forensic DNA Analysis -- 4 pts  
Murdoch: S1-internal

BIO215 Bodies of Evidence -- 4 pts  
Murdoch: S1-internal

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## FOUNDATIONS OF INFORMATION SYSTEMS

*School of Information Technology*

**Parent Major:**

Business Information Systems (BSc)

### Minor Structure - 18 credit points

#### Core Units - 18 credit points

##### Part I

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT107 Principles of Information Systems -- 3 pts  
Murdoch: S2-internal, S2-external

##### Part II

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT353 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T1A-internal, T3A-internal

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## FUNDAMENTALS OF NETWORKING

*School of Information Technology*

**Parent Major:**

Internetworking and Security (BSc)

**Special Requirements:**

Internet access, on-campus attendance.

**Excluded Majors:**

Internetworking and Security (BSc)

### Minor Structure - 14 credit points

#### Core Units - 14 credit points

ICT103 Introduction to Data Communications -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT120 Principles of Data Communications -- 3 pts  
Murdoch: S2-internal

ICT264 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT338 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

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## GAMES DESIGN

*School of Media Communication and Culture*

**Parent Major:**

Interactive Digital Design (BDMedia)

**Excluded Majors:**

Games Art and Design (BDMedia); Interactive Digital Design

(BDMedia)

### Minor Structure - 17 credit points

#### Core Units - 17 credit points

##### Part I - 9 credit points

ICT101 Introduction to 3D Graphics and Animation -- 3 pts  
Murdoch: S2-internal, S2-external

MCC164 3D Modelling -- 3 pts  
Murdoch: S1-internal

MCC154 Introduction to Games Art and Design -- 3 pts  
Murdoch: S2-internal

##### Part II - 8 credit points

MCC232 Video Game Studies -- 4 pts  
Murdoch: S2-internal

MCC261 Games Art -- 4 pts  
Murdoch: S1-internal

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## HEALTH PSYCHOLOGY

*School of Psychology*

**Parent Major:**

Psychology (BPsych, BA)

### Minor Structure - 15 credit points

#### Core Units - 15 credit points

##### Part I - 3 credit points

Select one unit from the following;

PSY171 Introduction to Applications of Psychology -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY141 Introduction to Psychological Science -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts  
Murdoch: S1-internal, S2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

##### Part II - 12 credit points

PSY213 Psychology: Abnormal Behaviour -- 4 pts  
Murdoch: S1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY215 Psychology: Drugs and Dependence -- 4 pts  
Murdoch: S1-internal

PSY358 Psychology: Sensory Abilities and Disabilities -- 4 pts  
Murdoch: S2-internal

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## HUMAN RESOURCE MANAGEMENT

**See also:**

Employment Relations

**Murdoch Business School**

**Parent Major:**

Human Resource Management (BCom)

**Excluded Majors:**

Human Resource Management (BCom)

**Minor Structure - 18 credit points****Core Units - 11 credit points****Part I**

BUS145 Principles of Management -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
 DUBAI-ISC: N1-internal  
 KDUPJ: S2K-internal

**Part II**

BUS223 Organisational Theory and Behaviour -- 4 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external  
 DUBAI-ISC: N1-internal  
 KAPLAN-SGP: T1A-internal, T3A-internal  
 KDUPJ: S1K-internal, SB4-internal  
 SGP1: T1B-internal, T2B-internal, T3B-internal

OR

BUS240 Organisational Development and Human Resources Management -- 4 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external  
 DUBAI-ISC: N2-internal  
 KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
 KDUPJ: S2K-internal  
 SGP1: T1B-internal, T2B-internal, T3B-internal

BUS320 Advanced Human Resource Perspectives -- 4 pts  
 Murdoch: S1-internal, SB4-internal  
 KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
 KDUPJ: S1K-internal  
 SGP1: T2B-internal

**Specified Electives - 7 credit points**

Select one Part I unit and one Part II unit from the following:

**Part I**

BUS165 Principles of Commercial Law -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
 DUBAI-ISC: N1-internal  
 KDUPJ: S2K-internal

OR

BUS161 Introduction to Economics -- 3 pts  
 Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
 DUBAI-ISC: N2-internal  
 KDUPJ: S1K-internal

**Part II**

Select from the following, subject to completion of appropriate prerequisite chosen above.

BUS222 Employee Relations -- 4 pts  
 Murdoch: S1-internal, S1-external  
 KDUPJ: S1K-internal

BUS228 Workplace Law -- 4 pts  
 Murdoch: S2-internal, S2-external  
 DUBAI-ISC: N1-internal  
 KAPLAN-SGP: T1A-internal, T3A-internal  
 KDUPJ: S2K-internal  
 SGP1: T1B-internal, T3B-internal

BUS375 Human Resource Economics -- 4 pts  
 Murdoch: S2-internal, S2-external, SB4-internal  
 KAPLAN-SGP: T3A-internal

KDUPJ: S2K-internal, SB4-internal  
 SGP1: T1B-internal, T3B-internal

**INCLUSIVE EDUCATION****School of Education****Parent Major:**

Education (BEd) [Primary Teaching] (Four Years)

**Special Requirements:**

Students will need to be enrolled in BEd (Primary) in order to undertake study in this minor. Please note that this minor meets the requirements of the WA Department of Education to teach in a special or inclusive education setting.

Due to a limited number of places available to complete school experience requirements a quota has been placed on the core unit EDN422 Creating Effective Learning Environments. Selection for places in this unit will be made based on students' academic record in the BEd course.

**Excluded Majors:**

Education (Graduate) (BEd) [Primary Teaching] (Two Years);  
 Education (Graduate) (BEd) [Secondary Teaching] (Two Years)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part II**

EDN3342 Inclusive Education -- 6 pts  
 Murdoch: S1-internal, S1-external

EDN422 Creating Effective Learning Environments -- 4 pts  
 Murdoch: S1-internal, S1-external  
 Rockingham: S1-internal

EDN423 Literacies and Numeracy for Inclusive Education -- 4 pts  
 NA 2011

EDU4701 Professional and Action Learning Project -- 4 pts  
 Murdoch: Y-external

Students enrolled in the Inclusive Education Minor will enrol in EDN4300 Professional Internship: BEd Primary -- 6 pts and EDN444 Professional Issues for Teachers -- 2 pts.

Students will complete 5 days of School Experience in addition to those required for the BEd (Primary).

**INDIGENOUS SUSTAINABILITY****See also:**

Australian Indigenous Studies  
 Sustainable Development

**Kulbardi Centre****Parent Major:**

Australian Indigenous Studies (BA)

**Minor Structure - 15 credit points****Core Units - 7 credit points****Part I**

Select one Part I unit from the following:

AIS180 Introduction to Australian Indigenous Studies -- 3 pts  
 Murdoch: S1-internal, S1-external  
 Rockingham: S1-internal

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

COD125 Introduction to Community Development -- 3 pts  
Murdoch: S1-internal, S1-external

### **Part II**

AIS301 Country, Nature and Identity: Indigenous Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

## **Specified Electives - 8 credit points**

### **Part II**

Select from the following:

AIS205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts

Murdoch: S2-internal, S2-external

STP212 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

COD235 Community Work across Sites, Settings and Peoples -- 4 pts

Murdoch: S2-internal, S2-external

AIS281 Contemporary Indigenous Issues -- 4 pts

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

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## **INFECTION AND IMMUNITY**

*School of Veterinary and Biomedical Sciences*

**Parent Major:**

Biomedical Science (BSc)

**Excluded Majors:**

Biomedical Science (BSc)

**Minor Structure - 18 credit points**

**Minor Prerequisites**

**Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 18 credit points**

**Part I**

BIO152 Cell Biology -- 3 pts

Murdoch: S2-internal

ANS102 Introduction to the Animal Body -- 3 pts

Murdoch: S1-internal

OR

BIO103 Environmental Biology -- 3 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

**Part II**

BMS364 Parasitology -- 4 pts

Murdoch: S2-internal

BMS265 Medical Immunology and Molecular Genetics -- 4 pts

Murdoch: S2-internal

OR

BIO252 Immunology, Vaccines and Cell Culture -- 4 pts

Murdoch: S2-internal

BMS203 Comparative and Human Microbiology -- 4 pts

Murdoch: S2-internal

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## **INFORMATION MANAGEMENT**

*School of Information Technology*

**Parent Major:**

Cyber Forensics, Information Security and Management (BSc)

**Minor Structure - 11 credit points**

**Core Units - 11 credit points**

ICT107 Principles of Information Systems -- 3 pts

Murdoch: S2-internal, S2-external

ICT208 Business Intelligence Tools and Techniques -- 4 pts

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

ICT256 Knowledge Management Techniques -- 4 pts

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal

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## **INFORMATION SECURITY**

*School of Information Technology*

**Parent Major:**

Cyber Forensics, Information Security and Management (BSc)

**Minor Structure - 11 credit points**

**Core Units - 11 credit points**

ICT107 Principles of Information Systems -- 3 pts

Murdoch: S2-internal, S2-external

ICT265 Knowledge and Information Security -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

ICT357 Information Security Management -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T3A-internal

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## **INTERNATIONAL STUDIES**

*School of Social Sciences and Humanities*

**Parent Major:**

Politics and International Studies (BA)

**Excluded Majors:**

Politics and International Studies (BA)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I - 3 credit points**

POL161 Asia-Pacific in the Global System -- 3 pts  
Murdoch: S1-internal, S1-external

**Part II - 12 credit points**

Select from the following:

POL257 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

SSH229 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

POL299 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

POL293 Terrorism in a Globalised World -- 4 pts  
Murdoch: S2-internal, S2-external

POL239 Australian Foreign Policy in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

POL291 International Security Studies -- 4 pts  
Murdoch: S2-internal, S2-external

HIS225 European Union -- 4 pts  
Murdoch: S1-internal, S1-external

**INTERNET AND MULTIMEDIA COMPUTING****School of Information Technology****Parent Major:**

Internet Software Development (BSc)

**Excluded Majors:**

Internet Software Development (BSc)

**Minor Structure - 14 credit points****Core Units - 14 credit points****Part I**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

**Part II**

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
KAPLAN-SGP: T2A-internal, T3A-internal

ICT211 Web Computing -- 4 pts  
Murdoch: S2-internal, S2-external

**INTERNET COMPUTING****School of Information Technology****Parent Major:**

Internet Software Development (BSc)

**Excluded Majors:**

Internet Software Development (BSc)

**Minor Structure - 14 credit points****Core Units - 14 credit points****Part I**

ICT102 Introduction to Computer Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

**Part II**

ICT336 Internet Systems Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT211 Web Computing -- 4 pts  
Murdoch: S2-internal, S2-external

**ISSUES IN GLOBAL DEVELOPMENT****See also:**

Sustainable Development

**School of Sustainability****Parent Major:**

Sustainable Development (BA, BSc)

**Minor Structure - 15 credit points****Core Units - 7 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

OR

COD125 Introduction to Community Development -- 3 pts  
Murdoch: S1-internal, S1-external

STP204 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 8 credit points**

Select from the following:

ENV210 Environmental Technology for Sustainable Development -- 4 pts

Murdoch: S2-internal, S2-external

ENV212 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T2B-internal

AST250 Society, Culture and Ecology in Asia -- 4 pts

Murdoch: S1-internal, S1-external

POL313 Gender and Development -- 4 pts

NA 2011

EDU427 Development and Education -- 4 pts

Murdoch: S1-external

POL299 Politics of Globalisation -- 4 pts

Murdoch: S2-internal, S2-external

## JOURNALISM

**See also:**

Mass Communication  
Public Relations  
Radio

**School of Media Communication and Culture**

**Parent Major:**

Journalism (BMassComm)

**Excluded Majors:**

Journalism (BCommun)

**Minor Structure - 18 credit points**

**Core Units - 18 credit points**

**Part I**

MCC104 Introduction to Journalism -- 3 pts

Murdoch: S2-internal

DUBAI-ISC: N1-internal

MCC124 Photography and Digital Imaging -- 3 pts

Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

DUBAI-ISC: N2-internal

**Part II**

MCC240 Politics, Journalism and Society -- 4 pts

Murdoch: S2-internal

DUBAI-ISC: N1-internal

SGP1: T2B-internal

MCC245 Media Law and Ethics -- 4 pts

Murdoch: S1-internal

DUBAI-ISC: N2-internal

SGP1: T1B-internal, T3B-internal

Plus one of the following:

MCC217 Web News Production -- 4 pts

Murdoch: S2-internal

DUBAI-ISC: N1-internal

SGP1: T2B-internal

EGL234 Literary Journalism -- 4 pts

Murdoch: S1-internal

MCC267 Photo and Video Journalism -- 4 pts

Murdoch: S1-internal

SGP1: T3B-internal

## LEGAL STUDIES

**See also:**

Criminology

**School of Law**

**Parent Major:**

Legal Studies (BLS)

**Excluded Majors:**

Legal Studies (BLS)

**Minor Structure - 15 credit points**

**Core Units - 15 credit points**

**Part I - 3 credit points**

LEG100 Law, Justice and Social Policy -- 3 pts

Murdoch: S2-internal

OR

LEG150 Australian Legal System -- 3 pts

Murdoch: S1-internal

**Part II - 12 credit points**

Select from the following:

LEG221 Dispute Resolution -- 4 pts

Murdoch: S2-internal (quota of 50 places)

LEG223 Social and Welfare Law -- 4 pts

Murdoch: S2-internal

LEG207 Mediation -- 4 pts

Murdoch: SP18-internal

LEG208 Negotiation -- 4 pts

Murdoch: S2-internal (quota of 50 places)

LEG219 Criminal Law in Western Australia -- 4 pts

Murdoch: S1-internal

CRM220 Sentencing and Penology -- 4 pts

Murdoch: S1-internal

CRM209 Psychology and Law -- 4 pts

Murdoch: S2-internal

CRM205 Criminal Justice -- 4 pts

Murdoch: S1-internal

CRM206 Criminology -- 4 pts

Murdoch: S2-internal

CRM210 Criminal Behaviour -- 4 pts

Murdoch: S1-internal

LEG236 Celtic Law and Society -- 4 pts

NA 2011

LEG246 Children and the Law -- 4 pts

Murdoch: S1-internal

SOC262 Sociology of Law -- 4 pts

Murdoch: S1-internal, S1-external

## LITERATURE

**School of Social Sciences and Humanities**

**Parent Major:**

English and Creative Writing (BA)

**Minor Structure - 15 credit points**

**Core Units - 3 credit points**

**Part I**

EGL121 Introduction to Literature -- 3 pts

Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points**

**Part II**

Select from the following:

EGL237 Narrative: Fiction and Film -- 4 pts

Murdoch: S1-internal, S1-external

EGL354 Literary Theory -- 4 pts

Murdoch: S1-internal



EGL298 Representation and Gender -- 4 pts  
Murdoch: S2-internal, S2-external

EGL328 Understanding Poetry -- 4 pts  
Murdoch: S1-internal, S1-external

EGL308 Shakespeare -- 4 pts  
Murdoch: S2-internal, S2-external

EGL284 Australian Literature and Film -- 4 pts  
NA 2011

EGL290 Popular Literature and Science Fiction -- 4 pts  
Murdoch: S2-internal, S2-external

AST330 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

EGL223 World Writing Today -- 4 pts  
Murdoch: S2-internal, S2-external

EGL224 Literature in an Age of Terror -- 4 pts  
Murdoch: S1-internal, S1-external

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## MANAGEMENT

### *Murdoch Business School*

#### **Parent Major:**

Management (BCom)

#### **Excluded Majors:**

Biotechnology (BSc) + Management (BCom), Biotechnology (BSc) + Marketing (BCom), Biotechnology (BSc) + Entrepreneurship and Innovation (BCom); Human Resource Management (BCom); Management (BCom)

### **Minor Structure - 15 credit points**

#### **Core Units - 15 credit points**

##### **Part I - 3 credit points**

BUS145 Principles of Management -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

##### **Part II - 12 credit points**

Select from the following:

BUS223 Organisational Theory and Behaviour -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS240 Organisational Development and Human Resources Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T2B-internal, T3B-internal

BUS222 Employee Relations -- 4 pts  
Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal, SB4-internal

SGP1: T1B-internal, T3B-internal

BUS378 Knowledge and Organisational Learning -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

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## MARINE BIOLOGY

### *School of Biological Sciences and Biotechnology*

#### **Parent Major:**

Marine Science (BSc)

### **Minor Structure - 14 credit points**

#### **Core Units - 14 credit points**

##### **Part I**

BIO103 Environmental Biology -- 3 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: N2-internal

BIO180 Introduction to Marine Biology -- 3 pts  
Murdoch: S2-internal

##### **Part II**

BIO261 Animal Diversity -- 4 pts  
Murdoch: S1-internal

BIO205 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal

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## MARKETING

### *Murdoch Business School*

#### **Parent Major:**

Marketing (BCom)

#### **Excluded Majors:**

Biotechnology (BSc) + Management (BCom), Biotechnology (BSc) + Marketing (BCom), Biotechnology (BSc) + Entrepreneurship and Innovation (BCom); Marketing (BCom); Marketing and the Media (BMM)

#### **Excluded Minors:**

Digital Marketing

### **Minor Structure - 18 credit points**

#### **Core Units - 14 credit points**

##### **Part I**

BUS169 Principles of Marketing -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

##### **Part II**

BUS214 Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, SB4-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal, SB4-internal

SGP1: T2B-internal

BUS273 Consumer Behaviour -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

**Specified Electives - 4 credit points**

Select from the following:

BUS321 International Marketing -- 4 pts

Murdoch: S1-internal, S2-internal

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

BUS324 Services Marketing -- 4 pts

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

BUS335 Marketing Research and Analysis -- 4 pts

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

BUS336 Integrated Marketing Communications -- 4 pts

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

SGP1: T2B-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

MCC315 New Media Technologies -- 4 pts

Murdoch: S2-internal, S2-external

KDUPJ: S2K-internal

SGP1: T2B-internal

**MATHEMATICAL MODELLING****School of Chemical and Mathematical Sciences****Parent Major:**

Mathematics and Statistics (BSc)

**Excluded Majors:**

Mathematics and Statistics (BSc) [unless appropriate units are selected]

**Minor Structure - 11 credit points****Minor Prerequisites****Mathematics Background**

Students may need to complete one prerequisite unit depending on their background in mathematics and their final scaled score in either TEE Calculus, or TEE Applicable Mathematics and Year 11 Introduction to Calculus within the past three years.

TEE Applicable Mathematics with a final scaled score of 55 percent or more

and

Year 11 Introduction to Calculus

OR

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 11 credit points**

Select one unit from each of the following groups:

**Group 1**

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

MAS167 Computational Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: N1-internal

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Group 2**

MAS208 Mathematical Modelling -- 4 pts

Murdoch: S2-internal, S2-external

MAS261 Mathematical Methods -- 4 pts

Murdoch: S1-internal, S1-external

MAS278 Probability and Statistical Inference -- 4 pts

Murdoch: S1-internal, S1-external

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**MASS COMMUNICATION****See also:**

Journalism

Public Relations

**School of Media Communication and Culture****Parent Major:**

Communication and Media Studies (BCommun)

**Excluded Majors:**

Communication and Media Studies (BCommun)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**

MCC108 Introduction to Communication and Media -- 3 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

**Part II**

MCC236 Media Audiences and the Public -- 4 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

MCC314 Media and Globalisation -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T3A-internal

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Group 3**

MAS305 Environmental and Biological Modelling -- 4 pts  
Murdoch: S1-internal, S1-external

MAS375 Modelling and Simulation -- 4 pts  
Murdoch: S2-internal, S2-external

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**MEDIA STUDIES****See also:**

Radio  
Scriptwriting

**School of Media Communication and Culture****Parent Major:**

Communication and Media Studies (BCommun)

**Excluded Majors:**

Communication and Media Studies (BCommun)

**Minor Structure - 15 credit points****Core Units - 3 credit points**

MCC116 Introduction to the Screen -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

**Part II - 12 credit points**

MCC337 Cultural and Media Policy -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

MCC333 Documentary -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal

MCC248 Screen Texts -- 4 pts  
Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T2A-internal  
KDUPJ: S2K-internal  
SGP1: T2B-internal

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**MODERN SOCIAL HISTORY****School of Social Sciences and Humanities****Parent Major:**

History (BA)

**Excluded Majors:**

History (BA)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I - 3 credit points**

HIS181 Introduction to History -- 3 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

OR

HIS182 Turning Points in History -- 3 pts  
Murdoch: S2-internal, S2-external

Rockingham: S2-internal

**Part II - 12 credit points**

Select from the following Core Units in the History major:

HIS249 Hollywood and History -- 4 pts  
Murdoch: S2-internal, S2-external

HIS286 Witchcraft: Historical Images of Women -- 4 pts  
NA 2011

AIS338 Blacks and Whites: Aboriginal Colonised History -- 4 pts  
Murdoch: S2-internal, S2-external

HIS226 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

HIS202 Australia and its Asian Context -- 4 pts  
Murdoch: S2-internal, S2-external

HIS223 American Indian History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS220 Britannia to the Beatles: Power, Sex and Identity in Modern Britain -- 4 pts  
NA 2011

HIS210 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS283 Earth, Fire, Wind and Water: Australian Environmental History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS275 Contested Country: Twentieth Century Australian History -- 4 pts  
NA 2011

HIS293 Europe Under the Dictators -- 4 pts  
NA 2011

HIS225 European Union -- 4 pts  
Murdoch: S1-internal, S1-external

HIS287 Special Topics in History -- 4 pts  
Topic not currently offered

HIS230 Spies, Saboteurs and Secret Agents -- 4 pts  
NA 2011

HIS260 Crime and Punishment Since 1700 -- 4 pts  
NA 2011

HIS285 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

HIS234 Historical Mysteries of the Modern World -- 4 pts  
Murdoch: S2-internal, S2-external

HIS224 Rebirth of Europe 1945-2001 -- 4 pts  
Murdoch: S1-internal, S1-external

HIS203 After Power: The Fall of Regimes and Rulers -- 4 pts  
Murdoch: S2-internal, S2-external

HIS2871 Special Topics in History -- 4 pts  
Topic not currently offered

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**MOLECULAR BIOLOGY****School of Biological Sciences and Biotechnology****Parent Major:**

Molecular Biology (BSc)

**Special Requirements:**

On-campus attendance is required for some units taken in the external mode.

**Excluded Majors:**

Forensic Biology and Toxicology (BForensics); Forensic Biology and Toxicology (BForensics) + Molecular Biology (BSc) + Biomedical Science (BSc); Molecular Biology (BSc)

**Excluded Minors:**

Forensic Biology

**Minor Structure - 15 credit points****Minor Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 15 credit points****Part I**

BIO152 Cell Biology -- 3 pts

Murdoch: S2-internal

**Part II**

BIO212 Genetic Engineering -- 4 pts

Murdoch: S1-internal

BIO313 Forensic DNA Analysis -- 4 pts

Murdoch: S1-internal

BIO316 Molecular Genetics -- 4 pts

Murdoch: S1-internal

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**MULTIMEDIA PRODUCTION****School of Media Communication and Culture****Parent Major:**

Interactive Digital Design (BDMedia)

**Excluded Majors:**

Interactive Digital Design (BDMedia)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

MCC129 Introduction to Digital Design -- 3 pts

Murdoch: S1-internal

MCC118 Visual Communication -- 3 pts

Murdoch: S2-internal

**Part II**

MCC241 Animation -- 4 pts

Murdoch: S1-internal

MCC263 Web Design -- 4 pts

Murdoch: S1-internal

MCC218 Web Games Design and Production -- 4 pts

Murdoch: S2-internal

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**NETWORK SECURITY****School of Information Technology****Parent Major:**

Internetworking and Security (BSc)

**Special Requirements:**

Internet access, on-campus attendance.

**Excluded Majors:**

Internetworking and Security (BSc)

**Minor Structure - 14 credit points****Core Units - 14 credit points****Part I**

ICT103 Introduction to Data Communications -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT120 Principles of Data Communications -- 3 pts

Murdoch: S2-internal

**Part II**

ICT362 Network Security -- 4 pts

Murdoch: S1-internal

ICT264 Wireless Networks -- 4 pts

Murdoch: S2-internal

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**NEW MEDIA****School of Media Communication and Culture****Parent Major:**

Interactive Digital Design (BDMedia)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**

MCC129 Introduction to Digital Design -- 3 pts

Murdoch: S1-internal

MCC118 Visual Communication -- 3 pts

Murdoch: S2-internal

**Part II**

MCC315 New Media Technologies -- 4 pts

Murdoch: S2-internal, S2-external

KDUPJ: S2K-internal

SGP1: T2B-internal

MCC232 Video Game Studies -- 4 pts

Murdoch: S2-internal

EGL290 Popular Literature and Science Fiction -- 4 pts

Murdoch: S2-internal, S2-external

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**NUTRITIONAL BIOCHEMISTRY****See also:**

Biomedical Science

Molecular Biology

**School of Veterinary and Biomedical Sciences****Parent Major:**

Biomedical Science (BSc)

**Minor Structure - 16 credit points****Minor Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 16 credit points****Part I**

PEC144 Chemical Principles -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

BIO152 Cell Biology -- 3 pts

Murdoch: S2-internal

**Part II**

BMS261 Human and Comparative Biochemistry -- 4 pts

Murdoch: S1-internal

OR

BIO270 Biochemistry I -- 4 pts

Murdoch: S2-internal

CHI213 Nutrition -- 2 pts

Murdoch: S1-internal

BIO371 Biochemistry II -- 4 pts

Murdoch: S2-internal

**ORGANISATIONAL PSYCHOLOGY****School of Psychology****Parent Major:**

Psychology (BPsych, BA)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I - 3 credit points**

Select from the following:

PSY171 Introduction to Applications of Psychology -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY141 Introduction to Psychological Science -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

**Part II - 12 credit points**

PSY248 Psychology: Social Bases of Behaviour -- 4 pts

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY217 Psychology: Work and Organisations -- 4 pts

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY357 Psychology: Safety, Errors and Accidents -- 4 pts

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

**PHILOSOPHY****See also:**

Ethics

**School of Social Sciences and Humanities****Parent Major:**

Philosophy (BA)

**Excluded Majors:**

Philosophy (BA)

**Minor Structure - 15 credit points****Core Units - 3 credit points****Part I**

PHL130 Introduction to Philosophy -- 3 pts

Murdoch: S2-internal, S2-external

OR

PHL131 Critical and Creative Thinking -- 3 pts

Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points****Part II**

Select from the following:

PHL201 Existence and Freedom -- 4 pts

Murdoch: S2-internal, S2-external

PHL277 Life, Death and Meaning -- 4 pts

NA 2011

PHL215 Love and Friendship -- 4 pts

Murdoch: S1-internal, S1-external

PHL217 Meaning and Interpretation -- 4 pts

NA 2011

PHL218 Critical Metaphysics -- 4 pts

Murdoch: S2-internal, S2-external

PHL230 Theories of Mind -- 4 pts

Murdoch: S2-internal, S2-external

PHL216 Ancient Greek Ideas -- 4 pts

NA 2011

PHL214 Film and Philosophy -- 4 pts

Murdoch: S1-internal, S1-external

## PHOTOGRAPHY

*School of Media Communication and Culture*

**Parent Major:**

Screen Production (BMedia)

**Minor Structure - 14 credit points**

**Core Units - 6 credit points**

EGL114 Introduction to Creative Arts -- 3 pts

Murdoch: S1-internal, S1-external

MCC124 Photography and Digital Imaging -- 3 pts

Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

DUBAI-ISC: N2-internal

**Specified Electives - 8 credit points**

Select from the following:

MCC322 Reading Image and Text -- 4 pts

Murdoch: S2-internal, S2-external

MCC267 Photo and Video Journalism -- 4 pts

Murdoch: S1-internal

SGP1: T3B-internal

MCC312 Media Projects -- 4 pts

Murdoch: S1-internal, S2-internal

## PHYSICS AND NANOTECHNOLOGY

*School of Engineering and Energy*

**Parent Major:**

Physics and Nanotechnology (BSc)

**Excluded Majors:**

Physics and Nanotechnology (BSc)

**Minor Structure - 14 credit points**

**Minor Prerequisites**

**Physics Background**

Students may need to complete one prerequisite unit depending on their background in physics and their final scaled score in TEE Physics within the past three years.

Students need to pass Physics 3A, 3B, 3C and 3D

OR

TEE Physics with a final scaled score of 60 percent or more

OR

Pass

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous physics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Mathematics Background**

Students may need to complete up to two prerequisite units depending on their background in mathematics and their final scaled score in Mathematics Specialist units 3A, 3B, 3C, 3D or the equivalent Applicable Mathematics and Calculus within the past

three years.

Students need to pass Mathematics Specialist 3A, 3B, 3C and 3D

OR

TEE Calculus with a final scaled score of 55 percent or more

OR

Pass Mathematics 3A, 3B, 3C, 3D

and

Pass

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

OR

Pass

MAS164 Fundamentals of Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal

and

Pass

MAS182 Applied Mathematics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous mathematics not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 14 credit points**

**Part I**

MAS161 Calculus and Matrix Algebra -- 3 pts

Murdoch: S2-internal, S2-external

(Students who have not completed TEE Calculus will need to undertake MAS182 Applied Mathematics -- 3 pts [Murdoch: S1-internal, S1-external, S2-internal, S2-external] prior to completing this unit.)

PEC152 Principles of Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

(Students who have not completed Physics at TEE level will be required to undertake PEC120 General Physics -- 3 pts [Murdoch: S1-internal, S1-external, S2-internal, S2-external] prior to completing this unit.)

**Part II**

PEC231 Modern Physics -- 4 pts

Murdoch: S1-internal, S1-external

Plus one unit from the following:

PEC261 Applications of Nanotechnology -- 4 pts

Murdoch: S1-internal, S1-external

PEC317 Physics of Materials -- 4 pts

Murdoch: S1-internal, S1-external

## PHYSIOLOGY AND PHARMACOLOGY

**See also:**

Biomedical Science

Molecular Biology

**School of Veterinary and Biomedical Sciences**

**Parent Major:**

Biomedical Science (BSc)

**Excluded Majors:**

Biomedical Science (BSc)

**Minor Structure - 18 credit points****Core Units - 18 credit points****Part I**BMS107 Principles of Vertebrate Physiology -- 3 pts  
Murdoch: S2-internalBIO152 Cell Biology -- 3 pts  
Murdoch: S2-internal**Part II**BMS261 Human and Comparative Biochemistry -- 4 pts  
Murdoch: S1-internal  
(BIO270 Biochemistry I -- 4 pts [Murdoch: S2-internal] is an acceptable alternative to this unit.)BMS264 Biomedical Physiology -- 4 pts  
Murdoch: S1-internalBMS365 Essentials of Pharmacology and Chemotherapy -- 4 pts  
Murdoch: S1-internal

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**POLICY ECONOMICS****See also:**

Public Policy and Management

**Murdoch Business School****Parent Major:**

Economics (BEcon)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal**Part II**BUS260 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-externalBUS261 Microeconomics A -- 4 pts  
Murdoch: S1-internal, S1-externalBUS2001 Special Topics in Economics -- 4 pts  
Topic not currently offered

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**POLITICS****School of Social Sciences and Humanities****Parent Major:**

Politics and International Studies (BA)

**Excluded Majors:**

Politics and International Studies (BA)

**Minor Structure - 15 credit points****Core Units - at least 15 credit points****Part I - 3 credit points**POL133 Introduction to Politics -- 3 pts  
Murdoch: S2-internal, S2-external

OR

POL135 Australian Government -- 3 pts  
Murdoch: S1-internal, S1-external**Part II - 12 credit points**

Select from the following:

POL230 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-externalPOL260 Modern Theories of the State -- 4 pts  
NA 2011POL297 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-externalPOL285 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-externalPOL223 Modern Political Thought -- 4 pts  
Murdoch: S2-internal, S2-externalPOL215 Politics of Cyberspace -- 4 pts  
Murdoch: S2-internal, S2-externalPOL250 Government Agencies in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

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**POLLUTION SCIENCE****School of Environmental Science****Parent Major:**

Environmental Science (BEnvSc, BSc)

**Excluded Majors:**

Environmental Technology (BSc) [unless appropriate units are selected]

**Minor Structure - 18 credit points****Minor Prerequisites****Chemistry Background**

Students may need to complete one prerequisite unit depending on their background in chemistry and their final scaled score in TEE Chemistry within the past three years.

TEE Chemistry with a final scaled score of 60 percent or more

OR

PEC140 Introduction to Chemistry -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Students who have completed previous chemistry not stated above should consult the Academic Chair for clarification of their enrolment requirements.

**Core Units - 18 credit points**

**Part I - 6 credit points**

ENV102 Introduction to Environmental Science -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal  
DUBAI-ISC: N1-internal, N2-internal

PEC144 Chemical Principles -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II - 12 credit points**

Select from the following:

ENV213 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

PEC332 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

ENV222 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external  
SGP1: T1B-internal

ENV211 Pollution and its Control -- 4 pts  
Murdoch: S1-internal, S1-external

ENV208 Australian Coastal Environments -- 4 pts  
Murdoch: S2-internal

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**PUBLIC POLICY AND MANAGEMENT**

*School of Social Sciences and Humanities*

**Parent Major:**

Public Policy and Management (BA)

**Excluded Majors:**

Public Policy and Management (BA)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**

BUS161 Introduction to Economics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
SB4-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

**Part II**

POL250 Government Agencies in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

POL230 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

BUS375 Human Resource Economics -- 4 pts  
Murdoch: S2-internal, S2-external, SB4-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal, SB4-internal  
SGP1: T1B-internal, T3B-internal

**PUBLIC RELATIONS****See also:**

Journalism  
Mass Communication

*School of Media Communication and Culture*

**Parent Major:**

Public Relations (BMassComm)

**Excluded Majors:**

Marketing and the Media (BMM); Public Relations (BCommun)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**

MCC107 Introduction to Public Relations -- 3 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

**Part II**

MCC204 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal

MCC259 Media Relations -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
KDUPJ: S1K-internal  
SGP1: T1B-internal, T3B-internal

MCC345 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal

OR

MCC307 Campaign Management -- 4 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal  
KAPLAN-SGP: T3A-internal  
KDUPJ: S2K-internal  
SGP1: T1B-internal, T3B-internal

**RADIO****See also:**

Journalism  
Media Studies

*School of Media Communication and Culture*

**Parent Major:**

Journalism (BCommun)

**Minor Structure - 18 credit points****Core Units - 10 credit points****Part I**

MCC104 Introduction to Journalism -- 3 pts  
Murdoch: S2-internal  
DUBAI-ISC: N1-internal

MCC105 Introduction to Radio -- 3 pts  
Murdoch: S1-internal, S2-internal (quota of 80 places)  
DUBAI-ISC: N1-internal

**Part II**

MCC245 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
SGP1: T1B-internal, T3B-internal

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



**Specified Electives - 8 credit points****Part II**

Select from the following:

MCC214 Sound -- 4 pts

Murdoch: S2-internal (quota of 45 places)

MCC244 Radio Presenting and Producing -- 4 pts

Murdoch: S1-internal (quota of 30 places)

MCC316 Communication Projects -- 4 pts

Murdoch: S1-internal (quota of 30 places), S2-internal

DUBAI-ISC: N2-internal

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**SCIENCE COMMUNICATION****School of Education****Parent Major:**

Education (BEd) [Primary Teaching] (Four Years)

**Minor Structure - 11 to 14 credit points****Core Units - 4 credit points**

EDN398 Science Communication -- 4 pts

Murdoch: S1-internal, S1-external

**Specified Electives - 7 to 10 credit points**

Select from the following:

EDU450 Environmental Education for Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

EDU240 Facilitating Lifelong Learning -- 6 pts

Murdoch: S1-internal, S1-external, S2-external

ICT108 Introduction to Multimedia and the Internet -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Rockingham: S2-internal

MCC108 Introduction to Communication and Media -- 3 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

MCC245 Media Law and Ethics -- 4 pts

Murdoch: S1-internal

DUBAI-ISC: N2-internal

SGP1: T1B-internal, T3B-internal

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**SCREEN PRODUCTION****See also:**

Media Studies

**School of Media Communication and Culture****Parent Major:**

Screen Production (BMedia)

**Minor Structure - 18 credit points****Core Units - 18 credit points**

MCC128 Screen Production I -- 3 pts

Murdoch: S1-internal (quota of 102 places), S2-internal

DUBAI-ISC: N2-internal

MCC124 Photography and Digital Imaging -- 3 pts

Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

DUBAI-ISC: N2-internal

MCC340 Digital Content Production -- 4 pts

Murdoch: S2-internal (quota of 60 places)

MCC226 Screen Production II -- 4 pts

Murdoch: S1-internal (quota of 80 places)

DUBAI-ISC: N2-internal

MCC201 Professional Development in Screen Production -- 4 pts

Murdoch: S2-internal (quota of 80 places)

DUBAI-ISC: N1-internal

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**SCRIPTWRITING****See also:**

Media Studies

**School of Media Communication and Culture****Parent Major:**

Screen Production (BMedia)

**Minor Structure - 14 credit points****Core Units - 6 credit points**

MCC128 Screen Production I -- 3 pts

Murdoch: S1-internal (quota of 102 places), S2-internal

DUBAI-ISC: N2-internal

EGL122 Creative Writing: Text and Practice I -- 3 pts

Murdoch: S1-internal, S1-external

**Specified Electives - 8 credit points**

Select from the following:

MCC353 Writing for the Screen -- 4 pts

Murdoch: S2-internal

EGL210 Writing for the Stage -- 4 pts

Murdoch: S2-internal, S2-external

EGL237 Narrative: Fiction and Film -- 4 pts

Murdoch: S1-internal, S1-external

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts

Murdoch: S1-internal, S1-external

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**SECURITY, TERRORISM AND COUNTERTERRORISM****School of Social Sciences and Humanities****Parent Major:**

Security, Terrorism and Counterterrorism Studies (BA)

**Excluded Majors:**

Security, Terrorism and Counterterrorism Studies (BA)

**Minor Structure - 15 credit points****Core Units - 15 credit points****Part I**

POL192 Perspectives on Security and Terrorism -- 3 pts

Murdoch: S1-internal, S1-external

**Part II**

POL291 International Security Studies -- 4 pts

Murdoch: S2-internal, S2-external

ICT265 Knowledge and Information Security -- 4 pts

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

POL293 Terrorism in a Globalised World -- 4 pts  
Murdoch: S2-internal, S2-external

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## SOCIAL PSYCHOLOGY

*School of Psychology*

**Parent Major:**

Psychology (BPsych, BA)

**Minor Structure - 15 credit points**

**Core Units - 15 credit points**

**Part I - 3 credit points**

Select from the following:

PSY171 Introduction to Applications of Psychology -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY141 Introduction to Psychological Science -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY173 Introduction to Psychological Research Methods -- 3 pts

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

**Part II - 12 credit points**

PSY248 Psychology: Social Bases of Behaviour -- 4 pts

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

PSY218 Psychology: Self and Society -- 4 pts

Murdoch: S1-internal

PSY246 Psychology: Culture and Community -- 4 pts

Murdoch: S1-internal

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## SOCIOLOGY

*School of Social Sciences and Humanities*

**Parent Major:**

Sociology (BA)

**Excluded Majors:**

Sociology (BA)

**Minor Structure - 18 credit points**

**Core Units - 6 credit points**

**Part I**

SOC134 Introduction to Sociology -- 3 pts

Murdoch: S1-internal, S1-external

SOC105 Sociology and Everyday Life -- 3 pts

Murdoch: S2-internal, S2-external

**Specified Electives - 12 credit points**

**Part II**

Select from the following:

SOC204 Big Ideas for a Better Society -- 4 pts

NA 2011

SOC296 Power, Security and Modern Life -- 4 pts

Murdoch: S1-internal, S1-external

SOC212 Islam, Terror and Multiculturalism in Australia -- 4 pts

NA 2011

SOC222 Social Research Methods -- 4 pts

Murdoch: S1-internal, S1-external

SOC213 Health and Society -- 4 pts

Murdoch: S1-internal, S1-external

SOC262 Sociology of Law -- 4 pts

Murdoch: S1-internal, S1-external

SOC256 Sociology of Work -- 4 pts

NA 2011

SOC272 Special Topics in Sociology -- 4 pts

Topic not currently offered

SOC230 Australian Youth Culture -- 4 pts

Murdoch: S2-internal, S2-external

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## SOFTWARE DEVELOPMENT

*School of Information Technology*

**Parent Major:**

Computer Science (BSc)

**Minor Structure - 18 credit points**

**Core Units - 18 credit points**

**Part I**

ICT102 Introduction to Computer Science -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT104 Principles of Computer Science -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Part II**

ICT239 Software Development Frameworks -- 4 pts

Murdoch: S1-internal, S1-external

ICT306 Software Architectures -- 4 pts

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T3A-internal

ICT219 Intelligent Systems -- 4 pts

Murdoch: S2-internal, S2-external

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## SOUND

*School of Media Communication and Culture*

**Parent Major:**

Sound (BMedia)

**Excluded Majors:**

Sound (BMedia)

**Minor Structure - 14 credit points**

**Core Units - 6 credit points**

MCC105 Introduction to Radio -- 3 pts

Murdoch: S1-internal, S2-internal (quota of 80 places)

DUBAI-ISC: N1-internal

MCC129 Introduction to Digital Design -- 3 pts

Murdoch: S1-internal

**Specified Electives - 8 credit points**

Select from the following:

MCC214 Sound -- 4 pts

Murdoch: S2-internal (quota of 45 places)

MCC312 Media Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC268 Music Technology -- 4 pts  
Murdoch: S1-internal (quota of 45 places)

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## SUSTAINABLE DEVELOPMENT

### *See also:*

Economics for Sustainability  
Environmental Ethics  
Environmental Policy  
Indigenous Sustainability  
Issues in Global Development  
Sustainable Tourism  
Technology and Innovation Policy  
Urban and Regional Sustainability

### *School of Sustainability*

#### *Parent Major:*

Sustainable Development (BA, BSc)

### **Minor Structure - 15 credit points**

#### **Core Units - 3 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

#### **Specified Electives - 12 credit points**

Select from the following:

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal  
SGP1: T2B-internal

STP220 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP330 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

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## SUSTAINABLE TOURISM

### *See also:*

Sustainable Development  
Tourism

### *School of Social Sciences and Humanities*

#### *Parent Major:*

Tourism (BTour)

#### *Excluded Majors:*

Ecotourism (BSc); Hospitality and Tourism Management (BCom);  
Hospitality and Tourism Management (BTour); Tourism (BTour)

#### *Excluded Minors:*

Tourism

## **Minor Structure - 18 credit points**

### **Core Units - 18 credit points**

#### *Part I*

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

TOU102 Introduction to Travel and Tourism -- 3 pts  
Murdoch: S2-internal, S2-external

#### *Part II*

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal  
SGP1: T2B-internal

TOU301 Tourism Policy and Planning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

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## TECHNOLOGY AND INNOVATION POLICY

### *See also:*

Sustainable Development

### *School of Sustainability*

#### *Parent Major:*

Sustainable Development (BA, BSc)

### **Minor Structure - 15 credit points**

#### **Core Units - 3 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

#### **Specified Electives - 12 credit points**

Select from the following:

STP330 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP370 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

BUS216 Technology and the Law -- 4 pts  
Murdoch: S2-internal

PEC391 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

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## THEATRE AND DRAMA STUDIES

### *School of Social Sciences and Humanities*

#### *Parent Major:*

Theatre and Drama (BA)

#### *Excluded Majors:*

Theatre and Drama (BA)

### **Minor Structure - 15 credit points**

**Core Units - 3 credit points****Part I**

EGL106 Introduction to Drama -- 3 pts  
Murdoch: S2-internal

**Specified Electives - 12 credit points****Part II**

Select from the following:

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

EGL329 Acting and Production II -- 4 pts  
Murdoch: S2-internal

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

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**THEOLOGY****School of Social Sciences and Humanities****Parent Major:**

Theology (BTheol, BA)

**Excluded Majors:**

Theology (BA); Theology (BTheol)

**Minor Structure - 14 credit points****Core Units - 6 credit points****Part I**

Select from the following:

THE100 Life and Literature of Ancient Israel -- 3 pts  
Murdoch: S1-internal, S1-external

THE102 New Testament and its World -- 3 pts  
Murdoch: S2-internal, S2-external

THE107 Thinking Theology -- 3 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 8 credit points**

Select from the Part II Theology units as listed in the Bachelor of Arts in Theology.

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**TOURISM****See also:**

Sustainable Tourism

**School of Social Sciences and Humanities****Parent Major:**

Tourism (BTour)

**Excluded Majors:**

Hospitality and Tourism Management (BCom); Hospitality and Tourism Management (BTour); Tourism (BTour)

**Excluded Minors:**

Sustainable Tourism

**Minor Structure - 18 credit points****Core Units - 14 credit points****Part I**

TOU101 Introduction to Tourism Systems -- 3 pts  
Murdoch: S1-internal, S1-external

TOU102 Introduction to Travel and Tourism -- 3 pts  
Murdoch: S2-internal, S2-external

**Part II**

TOU201 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal  
SGP1: T2B-internal

TOU301 Tourism Policy and Planning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 4 credit points****Part II**

Select from the following:

TOU210 Cultural Tourism Interpretation -- 4 pts  
Murdoch: S2-internal, S2-external

TOU211 Indigenous Tourism Issues -- 4 pts  
NA 2011

TOU303 Tourism Management -- 4 pts  
Murdoch: S2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T1B-internal, T3B-internal

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**URBAN AND REGIONAL SUSTAINABILITY****See also:**

Sustainable Development

**School of Sustainability****Parent Major:**

Sustainable Development (BA, BSc)

**Minor Structure - 15 credit points****Core Units - 3 credit points**

STP108 Introduction to Sustainable Development -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

**Specified Electives - 12 credit points**

Select two of the following:

STP220 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP245 Sustainable Urban Design -- 4 pts  
NA 2011

STP330 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

Plus one of the following:

STP212 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV212 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: N1-internal

SGP1: T2B-internal

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## **WOMEN'S STUDIES**

*School of Media Communication and Culture*

**Parent Major:**

Gender and Cultural Studies (BA)

**Minor Structure - 15 credit points**

**Core Units - 3 credit points**

**Part I**

MCC102 Introduction to Gender and Cultural Studies -- 3 pts

Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points**

**Part II**

Select from the following:

EDU424 Critical Pedagogy: Gender, Race and Social Class in Education -- 4 pts

Murdoch: SUM-internal

MCC356 Sexuality, Bodies and Culture -- 4 pts

Murdoch: S2-internal, S2-external

EGL298 Representation and Gender -- 4 pts

Murdoch: S2-internal, S2-external

AST258 Women in Asian Societies -- 4 pts

Murdoch: S2-internal, S2-external

AIS228 Our Mob: Indigenous Families -- 4 pts

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

HIS286 Witchcraft: Historical Images of Women -- 4 pts

NA 2011

# Graduate and Postgraduate Courses

## Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

Group	Course	Offerings
<b>Postgraduate Coursework Degrees and Professional Doctorates</b>		
<b>Accounting</b>	Master of Professional Accounting	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Arts</b>	Master of Arts by Personal Program (Arts)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Asian Languages</b>	Graduate Certificate in Asian Languages	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (Indonesian language only)</li> <li>• This course is not normally available to international students studying in Australia on a student visa, due to visa regulations. However, exceptions can be made, conditional on undertaking certain units: contact The Student Centre for details. It is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Asian Studies</b>	Postgraduate Diploma in Asian Studies	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Arts in Asian Studies	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Business Administration</b>	Postgraduate Certificate in Business Administration	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Certificate in Business Administration (MasterClass)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Postgraduate Diploma in Business Administration	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Business Administration (MBA)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	MBA in International Business (MBAIntBus)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Doctor of Business Administration	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Chinese Law</b>	Postgraduate Certificate in Chinese Law	<ul style="list-style-type: none"> <li>• City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Communication and Media Studies</b>	Master of Arts in Communication Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Community Development</b>	Postgraduate Certificate in Community Development	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
	Postgraduate Diploma in Community Development	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Group	Course	Offerings
	Master of Arts in Community Development	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Counselling</b>	Postgraduate Certificate in Counselling	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Postgraduate Diploma in Counselling	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Master of Counselling	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Creative Arts</b>	Graduate Certificate in Creative Arts	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Graduate Diploma in Creative Arts	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Development Studies</b>	Master of Arts in Development Studies	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Dispute Resolution</b>	Graduate Certificate in Dispute Resolution	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Drama Teaching</b>	Graduate Certificate in Drama Teaching	<ul style="list-style-type: none"> <li>• Some units only: Murdoch campus (internal) (all but one unit)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Early Childhood Education</b>	Graduate Certificate in Early Childhood Education	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for school experiences)</li> <li>• Some units only: Rockingham campus (internal)</li> </ul>
<b>Economics</b>	Postgraduate Certificate in Economics	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Economics	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Education</b>	Graduate Certificate in Education Studies	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (reduced unit selection)</li> </ul>
	Postgraduate Certificate in Education (Specialisations)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (only some units available internally for Leadership and Policy, Innovation for Teaching and Learning, and Service Learning specialisations)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Certificate in International Education in Schools	<ul style="list-style-type: none"> <li>• Some units only: Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
	Graduate Diploma in Education (Primary)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for one school experience [EDN2151] and one week intensive for EDN227)</li> </ul>
	Graduate Diploma in Education (Secondary)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (except for school experiences)</li> </ul>
	Graduate Diploma in Education Studies	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (only some units available internally for specialisations in Early Childhood Education, Inclusive Education, Teaching English as a Second Language, and Teaching Languages Other Than English)</li> <li>• Murdoch campus (external) (all but one unit available externally for the specialisation in Media Education)</li> </ul>

Group	Course	Offerings
	Master of Education (Coursework)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> <li>• Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
<b>Employment Relations</b>	Postgraduate Certificate in Employee Relations Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Employee Relations Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Energy and the Environment</b>	Postgraduate Diploma in Energy and the Environment	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Energy Studies</b>	Postgraduate Certificate in Energy Studies	<ul style="list-style-type: none"> <li>• International Online ['INT-ONLINE'] (external) (International offshore students only)</li> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Energy Studies	<ul style="list-style-type: none"> <li>• International Online ['INT-ONLINE'] (external) (International offshore students only)</li> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Science in Renewable Energy	<ul style="list-style-type: none"> <li>• International Online ['INT-ONLINE'] (external) (International offshore students only)</li> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Engineering</b>	Master of Engineering	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Environmental Architecture</b>	Master of Science in Environmental Architecture	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Environmental Assessment and Management</b>	Postgraduate Certificate in Environmental Assessment and Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Environmental Assessment and Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Environmental Science</b>	Master of Science in Environmental Science	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Ethics</b>	Graduate Certificate in Ethics	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Extractive Metallurgy</b>	Graduate Diploma in Extractive Metallurgy	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Gifted and Talented Education</b>	Postgraduate Certificate in Gifted and Talented Education	<ul style="list-style-type: none"> <li>• Some units only: Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Globalisation and Governance</b>	Master of Arts in Globalisation and Governance	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Health</b>	Postgraduate Certificate in Health Management, Quality and Leadership	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Health Management, Quality and Leadership	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Health Management, Quality and Leadership	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Human Resource Management</b>	Postgraduate Certificate in Human Resource Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Human Resource Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>



Group	Course	Offerings
	Master of Human Resource Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)</li> </ul>
	Doctor of Human Resource Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Information Technology</b>	Postgraduate Certificate in Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
	Graduate Diploma in Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Diploma in Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Postgraduate Diploma in Internetworking and Security	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Master of Science in Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Doctor of Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Internetworking and Network Security</b>	Master of Network Management and Security	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Journalism</b>	Postgraduate Certificate in Journalism	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Postgraduate Diploma in Journalism	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Local Governance</b>	Master of Arts in Local Governance	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Mathematics Teaching</b>	Graduate Certificate in Mathematics Teaching	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Media Management</b>	Master of Media Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Media Production</b>	Postgraduate Certificate in Media Production	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
	Postgraduate Diploma in Media Production	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Migration Law</b>	Graduate Certificate in Australian Migration Law and Practice	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Neuromusculoskeletal Rehabilitation</b>	Postgraduate Certificate in Neuromusculoskeletal Rehabilitation	<ul style="list-style-type: none"> <li>• Chiropractic Education Australia ['CEASYDNEY'] (external)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
	Postgraduate Diploma in Neuromusculoskeletal Rehabilitation	<ul style="list-style-type: none"> <li>• Chiropractic Education Australia ['CEASYDNEY'] (external)</li> </ul>
<b>Nursing</b>	Master of Advanced Nursing	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Organisational Human Resources and Safety</b>	Postgraduate Certificate in Organisational Human Resources and Safety	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.</li> </ul>
<b>Pharmacy</b>	Postgraduate Certificate in Pharmacy Entry	<ul style="list-style-type: none"> <li>• Not available to new admissions 2011</li> </ul>
	Postgraduate Diploma in Pharmaceutical Health Science	<ul style="list-style-type: none"> <li>• Not available to new admissions 2011</li> </ul>
	Master of Pharmacy	<ul style="list-style-type: none"> <li>• Not available to new admissions 2011</li> </ul>
<b>Philosophy</b>	Graduate Certificate in Philosophy	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Plant Biosecurity</b>	Graduate Certificate in Plant Biosecurity	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
	Graduate Diploma in Plant Biosecurity	• Murdoch campus (external)
	Master of Plant Biosecurity	• Murdoch campus (external)
<b>Policy Studies</b>	Postgraduate Certificate in Sustainability	• Murdoch campus (internal) (only some internal units available for the specialisation in Social Research and Evaluation) • Murdoch campus (external)
	Postgraduate Diploma in Sustainability	• Murdoch campus (internal) (only some internal units available for specialisation in Social Research and Evaluation) • Murdoch campus (external)
<b>Professional Accounting</b>	Postgraduate Diploma in Professional Accounting	• Murdoch campus (internal)
<b>Psychology</b>	Postgraduate Diploma in Consultancy Psychology	• Murdoch campus (internal)
	Postgraduate Diploma in Psychology	• Murdoch campus (internal)
	Master of Applied Psychology + Doctor of Philosophy	• Murdoch campus (internal)
	Master of Applied Psychology in Clinical Psychology	• Murdoch campus (internal)
	Master of Applied Psychology in Organisational Psychology	• Murdoch campus (internal)
	Doctor of Psychology in Clinical Psychology	• Murdoch campus (internal)
	Doctor of Psychology in Organisational Psychology	• Murdoch campus (internal)
<b>Public Policy</b>	Master of Arts in Public Policy	• Murdoch campus (internal) • Murdoch campus (external)
<b>Public Relations</b>	Postgraduate Certificate in Public Relations	• Murdoch campus (internal) • Some units only: Murdoch campus (external) (all but one unit)
	Postgraduate Diploma in Public Relations	• Murdoch campus (internal)
<b>Science Teaching</b>	Graduate Certificate in Science Teaching	• Murdoch campus (external) • Some units only: Murdoch campus (internal) (all but one unit)
<b>Security, Terrorism and Counterterrorism</b>	Postgraduate Certificate in Security, Terrorism and Counterterrorism Studies	• Murdoch campus (internal) • Murdoch campus (external)
<b>Special Needs Education</b>	Graduate Certificate in Inclusive Education	• Murdoch campus (external) (except for school experiences) • Some units only: Murdoch campus (internal) (all but one unit)
<b>Sports Science</b>	Postgraduate Diploma in Sports Chiropractic	• Murdoch campus (external)
	Master of Sports Science	• Murdoch campus (external) • International students who are studying outside of Australia may study this course on an external basis.
<b>Sustainability</b>	Postgraduate Certificate in Asian Sustainable Development	• Murdoch campus (internal) • Murdoch campus (external)
	Postgraduate Diploma in Asian Sustainable Development	• Murdoch campus (internal) • Murdoch campus (external)
	Master of Arts in Asian Sustainable Development	• Murdoch campus (internal) • Murdoch campus (external)
	Master of Arts in Ecologically Sustainable Development	• Murdoch campus (internal) • Murdoch campus (external)
	Master of Arts in Education for Sustainability	• Murdoch campus (external) • Some units only: Murdoch campus (internal) (all but one unit)
	Master of Arts in Sustainable Urban and Regional Planning	• Murdoch campus (internal) • Murdoch campus (external)
<b>Tertiary and Adult Education</b>	Graduate Certificate in Tertiary and Adult Education	• Murdoch campus (internal) • Murdoch campus (external)

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Group	Course	Offerings
	Graduate Diploma in Education (Tertiary and Adult)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• Some units only: Murdoch campus (internal) (all but one unit)</li> </ul>
<b>Theology</b>	Master of Ministry	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
<b>Tourism</b>	Postgraduate Diploma in Tourism	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Veterinary Science</b>	Postgraduate Certificate in Small Animal Practice (International)	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• This online course is only available to international students studying offshore.</li> </ul>
	Postgraduate Certificate in Veterinary Studies in Conservation Medicine	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Postgraduate Certificate in Veterinary Studies in Small Animal Practice	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> </ul>
	Master of Veterinary Studies in Conservation Medicine	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (subject to approval of Academic Chair)</li> <li>• Murdoch campus (external)</li> </ul>
	Master of Veterinary Studies in Small Animal Practice	<ul style="list-style-type: none"> <li>• Murdoch campus (external)</li> <li>• This course is not available on campus and so is not generally available to international students studying in Australia on a student visa; however, postgraduate students who have successfully completed the Postgraduate Certificate in Small Animal Practice (International) are eligible to apply. It is available to international students on other visas if visa conditions allow.</li> </ul>
	Master of Veterinary Studies in Veterinary Surveillance	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>

Group	Course	Offerings
<b>Postgraduate Research Degrees</b>		
<b>Business Administration</b>	Doctor of Business Administration	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Education</b>	Master of Education (Research)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Doctor of Education	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external) (all but one unit)</li> </ul>
<b>Human Resource Management</b>	Doctor of Human Resource Management	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Information Technology</b>	Doctor of Information Technology	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Some units only: Murdoch campus (external)</li> </ul>
<b>Law</b>	Master of Laws by Research	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external) (subject to approval on a case-by-case basis)</li> </ul>
<b>Psychology</b>	Master of Applied Psychology + Doctor of Philosophy	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> </ul>
<b>Research Degrees--General</b>	Master of Philosophy	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Peel campus (internal) (Nursing only)</li> <li>• Peel campus (external) (Nursing only)</li> </ul>
	Research Masters (with training)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> </ul>
	Doctor of Philosophy	<ul style="list-style-type: none"> <li>• Murdoch campus (internal)</li> <li>• Murdoch campus (external)</li> <li>• Peel campus (internal) (Nursing only)</li> <li>• Peel campus (external) (Nursing only)</li> </ul>

## ACCOUNTING

### MASTER OF PROFESSIONAL ACCOUNTING

#### Murdoch Business School

Master of Professional Accounting (MPA)

Course Codes: M1146

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time (over 4 semesters) or part-time equivalent

#### Availability:

- Murdoch campus (internal)

Accounting is an integral part of the management and governance of any enterprise. It acts as a decision-making aid by providing the information necessary for planning, control and performance evaluation. The stakeholders of an entity rely on the accounting information to assist in a variety of decisions including the acquisition or sale of shares, lending of funds and the provision of services or goods.

This course is aimed at students from any discipline seeking to acquire an accredited accounting qualification.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or professional training. Students who have completed a degree with an accounting major from an Australian university will not be considered for admission.

English competence.

#### Professional Recognition:

CPA (Certified Practising Accountants), ICA (Institute of Chartered Accountants) and NIA (National Institute of Accountants) -- pending.

### Course Structure - 48 credit points

#### Core Units - 48 credit points

MBS513 Accounting for Managers -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS522 Quantitative Methods for Business -- 4 pts

Murdoch: S1-internal

MBS502 Law for Business -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS605 Business Finance -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS666 Economics and Business Strategy -- 4 pts

Murdoch: S2-internal, S2-external

MBS653 Accounting Processes -- 4 pts

Murdoch: S1-internal, S2-internal

MBS632 Corporate Accounting -- 4 pts

Murdoch: S2-internal

MBS509 Company Law -- 4 pts

Murdoch: S1-internal

MBS514 Taxation -- 4 pts

Murdoch: S2-internal

MBS627 Management Accounting -- 4 pts

Murdoch: S1-internal

MBS633 Accounting Theory and Governance -- 4 pts

Murdoch: S2-internal

MBS634 Auditing -- 4 pts

Murdoch: S1-internal

## ARTS

### MASTER OF ARTS BY PERSONAL PROGRAM (ARTS)

#### Division of Academic Affairs

Master of Arts by Personal Program (Arts) (MA)

Course Codes: M1060

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Arts by Personal Program (Arts) is a coursework degree designed to provide graduate students with a career-enhancing experience in Arts, Social Sciences, Humanities, Media, Tourism, Communication and Culture, and other specialty disciplinary areas. The course is designed for:

\* Industry professionals seeking to extend and deepen their professional expertise in the creative and performing arts; media industries; gender issues; regional Asia; indigenous peoples and culture, social sciences, humanities, public relations, journalism, tourism and other discipline areas

\* Professionals and others interested in critical social, policy and practice issues associated with the creative and performing arts; media industries; gender issues; regional Asia; indigenous peoples and culture, social sciences, humanities, public relations, journalism, tourism and other discipline areas

\* Those with a first degree looking to upgrade or enhance their skills through a cohesive program of study which may include a mini-project or dissertation.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure - 24 or 48 credit points

Students undertake 24 points of study (one-year full-time equivalent) if they hold a four-year undergraduate degree or equivalent, or 48 points of study (two-years full-time equivalent) if they hold a three-year undergraduate degree.

University regulations require completion of a minimum of 16 points at 600-level and a maximum of 8 points at 500-level for a 24-point Masters by Coursework degree, or for a 48-point Masters by Coursework degree a minimum of 24 points at 600-level and a maximum of 24 points at 500-level. A full-time semester load consists of 12 points of study.

#### Coursework

The Personal Program must have intellectual coherence both in the combination of units and the title of the program, with the School Dean responsible for assessing this.

- \* The content should be significantly different from any existing course;
- \* There must be a title for the course: this will appear on the academic transcript and degree certificate;
- \* The program of study must indicate which units will be taken as part of the course and a supervisor.

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## ASIAN LANGUAGES

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### GRADUATE CERTIFICATE IN ASIAN LANGUAGES

#### School of Social Sciences and Humanities

Graduate Certificate in Asian Languages (GradCertAsLang)

Course Codes: C1036

Restriction: All postgraduate courses are subject to restriction

Duration: Normally 3 or 4 semesters on a part-time basis because language units must be taken sequentially; full-time study is only available for those who are permitted to enrol in IND643 Semester in Indonesia or JPN643 Semester in Japan (12 credit points)

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external) (Indonesian language only)
- This course is not normally available to international students studying in Australia on a student visa, due to visa regulations. However, exceptions can be made, conditional on undertaking certain units: contact The Student Centre for details. It is available to international students on other visas if visa conditions allow.

The Graduate Certificate in Asian Languages offers the opportunity to gain training in an Asian language at beginning or advanced level depending upon students' previous studies.

#### Employment Prospects:

The course is intended to serve the career development needs of teachers and members of other professional groups in the areas of foreign affairs, law, public service, business, and journalism, who require facility in one of the major languages of the Asian region.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training in a discipline other than Asian Languages.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Units taken depend on language chosen and initial level of proficiency. Language units must be taken sequentially and Part I units (or equivalent language proficiency) are prerequisite for subsequent units.

#### Professional Recognition:

Advanced-level students may sit for the National Accreditation Authority for Translation and Interpreters (NAATI) Exam, the formal qualification required for translation work.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

## Course Structure - 12 credit points

### Core Units - 12 credit points

Select one language and complete at least 12 points of units (at least 4 points of which must be at Part II-level):

#### Indonesian

Note: Language units are sequential.

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

IND261 Indonesian 2A -- 4 pts  
Murdoch: S1-internal, S1-external

IND262 Indonesian 2B -- 4 pts  
Murdoch: S2-internal, S2-external

IND361 Indonesian 3A -- 4 pts  
Murdoch: S1-internal, S1-external

IND362 Indonesian 3B -- 4 pts  
Murdoch: S2-internal, S2-external

IND243/IND343/IND643 Semester in Indonesia -- 12 pts  
Murdoch: S1-internal, S2-internal

IND452 Indonesian Language Project -- 4 pts  
NA 2011

#### Japanese

Note: Language units are sequential.

JPN171 Japanese IA -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese IB -- 6 pts  
Murdoch: S2-internal

JPN204 Japanese IIA -- 4 pts  
Murdoch: S1-internal

JPN205 Japanese IIB -- 4 pts  
Murdoch: S2-internal

JPN363 Japanese IIIA -- 4 pts  
Murdoch: S1-internal

JPN364 Japanese IIIB -- 4 pts  
Murdoch: S2-internal

JPN243/JPN343/JPN643 Semester in Japan -- 12 pts  
Murdoch: S1-internal, S2-internal

JPN452 Japanese Language Project -- 4 pts  
NA 2011

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## ASIAN STUDIES

#### See also:

Asian Languages

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### POSTGRADUATE DIPLOMA IN ASIAN STUDIES

#### School of Social Sciences and Humanities

Postgraduate Diploma in Asian Studies (PgDipAsianSt)

Course Codes: P1012

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

For political, economic, environmental and cultural reasons, the countries of East and South-East Asia will play an increasingly important role in contemporary global change. The Postgraduate Diploma in Asian Studies offers the opportunity to study the literature, media, religion, history, politics, economics, sociology and anthropology of the Asian region.

**Employment Prospects:**

This course is intended to serve the career development needs of teachers and members of other professional groups in the areas of foreign affairs, law, public service, business, and journalism who require a broad interdisciplinary background in the Asian cultural, political and economic context.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Further Study:**

This course may be used as credit for part of the requirements of the Master of Arts in Asian Studies.

**Course Structure - 24 credit points**

Students may take Asian language units in lieu of one or more of the core units, however the Academic Chair must be consulted to establish level of study.

With the approval of the Academic Chair, students with the relevant proficiency in either Indonesian or Japanese language may enrol in the semester in that country. Subject to Academic Chair approval, students may complete 12 or 24 points in country.

University Postgraduate Coursework regulations require completion of units at 500-level or higher for postgraduate diplomas. Where units are double-coded, students should ensure their selections fulfil this requirement.

**Core Units - 4 credit points****Discipline**

Select from the following:

AST612 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

HIS685 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 20 credit points**

Select from the following:

**Asian Region**

AST552 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

POL657 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

MCC682 Global Media: Asia-Pacific Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

AST558 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

**Japan**

JPN608 Japan in the World: Nation, Culture, Image -- 4 pts  
NA 2011

HIS610 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

JPN614 Postwar Japan -- 4 pts  
NA 2011

HIS626 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

JPN643 Semester in Japan -- 12 pts  
Murdoch: S1-internal, S2-internal  
(Academic Chair must approve enrolment.)

**Indonesia/South-East Asia**

IND671 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

AST656 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

AST676 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

LAW334 Indonesian Law -- 4 pts  
NA 2011

IND643 Semester in Indonesia -- 12 pts  
Murdoch: S1-internal, S2-internal  
(Academic Chair must approve enrolment.)

**China**

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

MBS541 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

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**MASTER OF ARTS IN ASIAN STUDIES****School of Social Sciences and Humanities**

Master of Arts (MA) in Asian Studies

Course Codes: M1026

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The countries of East and South-East Asia will play an increasingly important role in global change in the twenty-first century. This course is intended to provide graduates of any discipline with training in the culture, politics, economics, history and environment of the Asian region.

**Employment Prospects:**

This course is intended to serve the career development needs of teachers and members of other professional groups in the areas of foreign affairs, law, public service, business, and journalism who require a broad interdisciplinary background in the Asian cultural, political and economic context.

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher in any discipline, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Project/Dissertation:**

The Masters offers a coursework-only program or a combination of coursework with a 4- or 8-point project or 12-point dissertation in the research stream.

**External Study:**

Many of the units are available in the external mode, including the Indonesian language units.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

Asian Language units may also be taken, but the Academic Chair must be consulted and grant approval.

With the approval of the Academic Chair, students with the relevant proficiency in either Indonesian or Japanese language may enrol in the semester in that country. Subject to Academic Chair approval, students may complete 12 or 24 points in country.

**Year 1 - 24 credit points****Core Units - 4 credit points**

Select from the following:

**Discipline**

AST612 Anthropology and Its Others -- 4 pts  
Murdoch: S1-internal, S1-external

HIS685 Approaches to History -- 4 pts  
Murdoch: S1-internal, S1-external

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 20 credit points**

Select from the following:

**Asian Region**

AST552 Culture and Religion in Asia -- 4 pts  
Murdoch: S2-internal

POL657 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

MCC682 Global Media: Asia-Pacific Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

AST558 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

**Japan**

JPN608 Japan in the World: Nation, Culture, Image -- 4 pts  
NA 2011

HIS610 Modern Japanese History -- 4 pts  
Murdoch: S1-internal, S1-external

JPN614 Postwar Japan -- 4 pts  
NA 2011

HIS626 Soldiers and Civilians: War in the Pacific 1941-1945 -- 4 pts  
NA 2011

JPN643 Semester in Japan -- 12 pts  
Murdoch: S1-internal, S2-internal  
(Academic Chair must approve enrolment)

**Indonesia/South-East Asia**

IND671 Media, Culture and Politics in Indonesia -- 4 pts  
Murdoch: S2-internal, S2-external

AST656 Perceptions of South-East Asian Society -- 4 pts  
NA 2011

AST676 The People's History of South-East Asia -- 4 pts  
Murdoch: S2-internal, S2-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

IND643 Semester in Indonesia -- 12 pts  
Murdoch: S1-internal, S2-internal  
(Academic Chair must approve enrolment)

**China**

MBS541 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

**Year 2 - 24 credit points****Core Units - 4 to 20 credit points**

All students must complete the following:

AST630 Contemporary Asia: Nations, Narratives, Cultures -- 4 pts  
Murdoch: S2-internal, S2-external

**Research Stream Only**

To be eligible to undertake the Research stream, students must have attained a Distinction average in the Postgraduate Diploma or Masters coursework, and have approval of the Academic Chair and of a research supervisor for the proposed thesis.

**Methodology Unit**

Select one of the following units. Students who have already completed a methodology unit in their undergraduate degree may be exempt from this requirement: contact the Academic Chair for details.

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

OR

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

OR

EDU643 Qualitative Approaches to Research -- 4 pts  
Murdoch: S2-internal, S2-external

OR

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

**Project or Dissertation Unit**

Select one of the following:

AST6321 Asian Studies Project -- 4 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

OR

AST632 Asian Studies Project -- 8 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

OR

AST634 Asian Studies Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**Specified Electives - 4 to 20 credit points**

Select from any units not completed in Year 1 of the course, or from the following units. Students not undertaking the Research stream must complete 20 points.

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

POL613 Gender and Development -- 4 pts  
NA 2011

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

Other 500/600-level units may be taken, subject to Academic Chair approval.

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**BUSINESS ADMINISTRATION**

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**POSTGRADUATE CERTIFICATE IN BUSINESS ADMINISTRATION****Murdoch Business School**

*Postgraduate Certificate in Business Administration (PgCertBusAdmin)*

Course Codes: C1032

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time (Semester 1 commencement only) or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Certificate in Business Administration develops the basic analytical tools needed to make sound business decisions. It focuses on the management of organisations and provides unit choices in many of the other key business disciplines. The course can be completed in one semester of full-time study, or part time equivalent. Students who successfully complete the Postgraduate Certificate may apply for admission to the Postgraduate Diploma in Business Administration.

**Employment Prospects:**

While many students view the Certificate as the first step towards

the Postgraduate Diploma and ultimately the MBA or MBA in International Business, this course offers an opportunity to study three of the core units in an MBA course and exit with a postgraduate qualification, thus gaining a competitive edge in the marketplace.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Course Structure - 12 credit points****Core Units - 4 credit points**

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS502 Law for Business -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS651 Management of Not for Profit Organisations -- 4 pts  
Murdoch: S1-internal, S1-external

MBS606 Strategic Decision-Making -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

Students enrolled in, or graduates of, Veterinary Studies are advised to consider including the following as a specified elective:

MBS528 Managing Professional Practice -- 4 pts  
NA 2011

Students may substitute one of the units above with any 500/600-level units offered by the Murdoch Business School with permission of the Academic Chair.

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**POSTGRADUATE CERTIFICATE IN BUSINESS ADMINISTRATION (MASTERCLASS)****Murdoch Business School**

*Postgraduate Certificate in Business Administration (PgCertBusAdmin)*

Course Codes: C1083

Restriction: All postgraduate courses are subject to restriction

**Availability:**

- Murdoch campus (internal)

The Postgraduate Certificate in Business Administration (MasterClass) is studied concurrently with an undergraduate degree.

All candidates must have completed at least 24 credit points of any



undergraduate degree at Murdoch University or the equivalent of one year of full-time study in another recognised degree offered by an Australian or international tertiary institution.

**Admission Requirements (Onshore):**

Application for MasterClass is by invitation or nomination. Entry to the course via either channel is subject to panel interview.

Invitation: Completion of 24 points in any Murdoch undergraduate degree and academic achievement within the top 5 per cent by grade point average. Students in the top 5 per cent will receive an invitation to apply for the course.

Nomination: Completion of 24 points in any Murdoch undergraduate degree, evidence of strong academic achievement and demonstrated leadership attributes.

English competence.

**Further Study:**

Students who successfully complete the Postgraduate Certificate may apply for admission to the Postgraduate Diploma in Business Administration subject to approval from the Dean or relevant Academic Chair at Murdoch Business School.

**Course Structure - 12 credit points**

**Core Unit - 4 credit points**

MBS5082 Organisational Behaviour and Management -- 4 pts

**Specified Electives - 8 credit points**

Select from the following:

MBS5132 Accounting for Managers -- 4 pts

MBS5072 Strategic Marketing Management -- 4 pts

MBS6712 Effective Leadership -- 4 pts

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**POSTGRADUATE DIPLOMA IN BUSINESS ADMINISTRATION**

**Murdoch Business School**

*Postgraduate Diploma in Business Administration (PgDipBusAdmin)*

Course Codes: P1028

Restriction: All postgraduate courses are subject to restriction

Duration: 2 semesters full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Diploma in Business Administration develops the basic analytical tools needed to make sound business decisions. It focuses on the management of organisations, marketing and accounting, and provides for further studies in many of the other key business disciplines.

Students who successfully complete the Postgraduate Diploma may apply for admission to the MBA or MBA in International Business.

**Employment Prospects:**

While many students view the Postgraduate Diploma as a first or second step towards the MBA, this course offers an opportunity to complete many of the core units in the MBA course and exit with a postgraduate qualification, thus gaining a competitive edge in the marketplace.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Course Structure - 24 credit points**

**Core Units - 12 credit points**

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 12 credit points**

Select from the following units, with a minimum of 4 points at 600-level:

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS606 Strategic Decision-Making -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS502 Law for Business -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

MBS630 International Business -- 4 pts  
Murdoch: S2-internal, S2-external

MBS558 Supply Chain Management and Logistics -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS572 Risk Management -- 4 pts  
Murdoch: S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

MBS548 Organisational Change, Management and Consultancy -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS629 Entrepreneurship and Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external

MBS666 Economics and Business Strategy -- 4 pts  
Murdoch: S2-internal, S2-external

MBS641 Project Management -- 4 pts  
Murdoch: W-internal, W-external

MBS618 Dispute Management -- 4 pts  
Murdoch: AU5-internal, AU5-external

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

MBS625 Managing, Evaluating and Developing Human Resources -- 4 pts  
Murdoch: S1-internal, S1-external

MBS626 Managing Remuneration, Benefits and Motivation -- 4 pts  
Murdoch: S2-internal, S2-external

MBS511 Acquisition of Human Resources -- 4 pts  
Murdoch: S2-internal, S2-external

MBS6991 Special Topics in Business: Islamic Banking and Finance -- 4 pts  
Murdoch: W-internal, W-external

MBS651 Management of Not for Profit Organisations -- 4 pts  
Murdoch: S1-internal, S1-external

## MASTER OF BUSINESS ADMINISTRATION (MBA)

### Murdoch Business School

Master of Business Administration (MBA)

Course Codes: M1000

Restriction: All postgraduate courses are subject to restriction

Duration: The qualification is equivalent to 2 years full-time study but can be completed in 18 months full-time through study over 2 semesters and Winter and Summer terms

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)
- SMa Institute of Higher Learning (Singapore) ['SGP1'] (internal) (by formal agreement) (language of instruction: English)

The Master of Business Administration provides a comprehensive exposure to the key analytical tools required to make sound business decisions. It can be completed in one year (full-time) or two years (part-time), using semesters and summer and winter terms. Core units are complemented by a choice of specified electives in the areas of: General Business Management; Economic and Environmental Sustainability; and Research.

Evening classes are convenient for students working full-time. Students may commence in Semester 1 or 2.

### Employment Prospects:

Murdoch MBA graduates have an employment rate of close to 100 per cent of those seeking work. Salaries average AU\$92,276, with a maximum of AU\$360,000. The private sector dominates, and the public sector accounts for around 18 per cent of graduates.

### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

## Course Structure - 48 credit points

### Core Units - 24 credit points

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T3R-internal

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T2A-internal  
SGP1: T3Q-internal

MBS502 Law for Business -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T1A-internal, T3A-internal

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T1A-internal, T3A-internal  
SGP1: T2N-internal

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD3-internal  
KAPLAN-SGP: T2A-internal  
SGP1: T2P-internal

MBS606 Strategic Decision-Making -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD1-internal, TD2-internal  
KAPLAN-SGP: T2A-internal  
SGP1: T1N-internal

### Specified Electives - 24 credit points

Select from one of the following lists, with a minimum of 16 points at 600-level:

#### General Business Management List

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T2A-internal

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external  
DUBAI-ISC: TD1-internal

MBS548 Organisational Change, Management and Consultancy -- 4 pts  
Murdoch: SUM-internal, SUM-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T3A-internal

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T2A-internal

MBS666 Economics and Business Strategy -- 4 pts  
Murdoch: S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T3A-internal  
SGP1: T1N-internal

MBS629 Entrepreneurship and Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD3-internal  
SGP1: T2Q-internal

MBS618 Dispute Management -- 4 pts  
Murdoch: AU5-internal, AU5-external  
KAPLAN-SGP: T3A-internal  
SGP1: T1P-internal

MBS641 Project Management -- 4 pts  
Murdoch: W-internal, W-external  
DUBAI-ISC: TD2-internal  
SGP1: T1H-internal

MBS630 International Business -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD3-internal  
SGP1: T2N-internal

MBS572 Risk Management -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T2A-internal

MBS558 Supply Chain Management and Logistics -- 4 pts  
Murdoch: SUM-internal, SUM-external  
SGP1: T2R-internal

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

MBS625 Managing, Evaluating and Developing Human Resources -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD3-internal  
KAPLAN-SGP: T3A-internal

MBS624 Comparative Employee Relations -- 4 pts  
Murdoch: S2-internal, S2-external

MBS626 Managing Remuneration, Benefits and Motivation -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD3-internal  
KAPLAN-SGP: T2A-internal

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

MBS511 Acquisition of Human Resources -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T3A-internal

MBS6991 Special Topics in Business: Islamic Banking and Finance -- 4 pts  
Murdoch: W-internal, W-external

MBS651 Management of Not for Profit Organisations -- 4 pts  
Murdoch: S1-internal, S1-external

#### **Economic and Environmental Sustainability List**

MBS651 Management of Not for Profit Organisations -- 4 pts  
Murdoch: S1-internal, S1-external

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external  
KAPLAN-SGP: T2A-internal, T3A-internal

PEC593 Energy Economics -- 4 pts  
Murdoch: H-external, S1-internal, S1-external  
KAPLAN-SGP: T2A-internal, T3A-internal

PEC611 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external  
KAPLAN-SGP: T3A-internal

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external  
DUBAI-ISC: TD1-internal

#### **Research List**

Students selecting this list will be required to complete all of the following units:

MBS620 Advanced Business Research Methods Seminar -- 4 pts  
Murdoch: S1-internal

MBS619 Qualitative Business Research Methods -- 4 pts  
Murdoch: S2-internal

MBS522 Quantitative Methods for Business -- 4 pts  
Murdoch: S1-internal

MBS612 Research Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external  
(Students may not enrol in other units when enrolled in this unit.)

MBS615 Industrial Project -- 8 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, WU3-internal, Y-internal, Y-external

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## **MBA IN INTERNATIONAL BUSINESS (MBAINTBUS)**

### **Murdoch Business School**

*MBA in International Business (MBAIntBus)*

Course Codes: M1069

Restriction: All postgraduate courses are subject to restriction

Duration: The qualification is equivalent to 2 years full-time study but can be completed in 1 year full-time through study over 2 semesters and Winter and Summer terms

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

This course prepares managers for effective management of business ventures in China. It develops the critical analytical skills common to all MBA courses and provides a focus on international, Asia-Pacific or China. An in-country module includes an individual company placement, a major applied industrial project, an executive seminar program and site visits to industry and government.

#### **Employment Prospects:**

Graduates have been sought by Australian, European, American and other international companies with business ventures in China or Dubai. Employers are seeking managers with cross-cultural skills, in-country contact networks and relationship-building experience.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

The International Business Enterprise Development unit is taught at the Murdoch campus and requires three hours of contact time per week during the winter term. The workshop component of this unit comprises a program of industry seminars which are offered in China. Students are required to travel to China for five weeks during Summer Term; this includes a five-week, full-time industry placement. The Industrial Project unit is completed independently, with the guidance of supervisors at Murdoch and a company mentor in China.

Australian citizens must possess an Australian passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the People's Republic of China. Non-Australian citizens must possess a passport valid for at least six months from the date of departure from Perth, with eligibility for a visa to enter the People's Republic of China, multiple entry visas for re-entry into Australia if the student intends to return to Australia before returning to their home country. The program concludes officially on the last scheduled date in China: students are not required to return to Australia. They may remain overseas or return directly to their home country or other destinations.

All students are required to pay an additional program charge that includes inter-city and intra-city transport to company seminars whilst in China. This charge is payable in two non-refundable instalments, the first as a deposit no later than the end of Week 2 in Semester 1, and one additional instalment no later than the end of Week 2 in Semester 2. This additional charge will be published annually with the appropriate tuition fee information.

Students are covered by Murdoch University for travel insurance.

Students are responsible for all other costs including accommodation, airfares, passport and visa fees, vaccinations, meals, taxis and personal expenses.

The availability of this course is subject to sufficient enrolment numbers. Murdoch reserves the right to make changes to the travel program at any time, should conditions require it.

Enrolment in this course will require students to travel overseas. Therefore students must be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure, by checking the following web site:  
<http://www.smarttraveller.gov.au/>

Where the intended overseas location has a high-level travel advisory in place the student can opt not to travel to that destination. Instead they can seek alternative arrangements as determined by the Academic Chair and approved by the Dean of School.

All students must complete the University's online Travel Register prior to departure.

#### **Chinese Language Study:**

Students are recommended to undertake study of the Chinese language prior to placement in China in Summer Term.

### **Course Structure - 48 credit points**

### **Core Units - 44 credit points**

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS630 International Business -- 4 pts  
Murdoch: S2-internal, S2-external

MBS606 Strategic Decision-Making -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS672 International Business Enterprise Development -- 4 pts  
Murdoch: WU3-internal

MBS615 Industrial Project -- 8 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, WU3-internal, Y-internal, Y-external

### **Specified Electives - 4 credit points**

Select from the following:

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

MBS541 Contemporary China -- 4 pts  
Murdoch: S2-internal, S2-external

MBS629 Entrepreneurship and Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external

## **DOCTOR OF BUSINESS ADMINISTRATION**

### **Murdoch Business School**

*Doctor of Business Administration (DBA)*

Course Codes: D1036

Restriction: All postgraduate courses are subject to restriction

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The Doctor of Business Administration is considered a practitioners' or a professional research degree that provides degree holders with advanced analytical and research skills, and allows a follow-on degree from Master of Business Administration (MBA) courses. It can also be considered by students contemplating an academic career since it requires substantive research and specialisation in a business discipline.

The DBA is a three-year professional research degree which consists of coursework, seminars and applied research. The first year involves an advanced business research seminar and a coursework component totalling 24 points. In the second year students submit a research proposal and literature review and conduct field-research. The third year of the course requires students to undertake a DBA thesis to completion.

**Admission Requirements (Onshore):**

Applicants should hold a Master of Business Administration degree or equivalent with a GPA of 3.5 or above.

Subject to the provisions of the Professional Doctorate Regulations, admission to the course is at the discretion of the MBS Research Committee who will determine the availability of a suitable supervisor, assess the potential candidate's written proposal (see guidelines) and the candidate's potential as a researcher.

Candidates who do not meet these requirements may be offered a place pending completion of additional preliminary studies for admission to the doctoral course. The specific studies to be completed will be determined in each case by the Murdoch Business School's Research Committee.

English competence.

**Special Requirements:**

On-campus attendance for both coursework and research components.

**Advanced Standing:**

Students who have completed an MBA, MHRM or equivalent qualification MAY be eligible for limited advanced standing. Applications for advanced standing should be referred to the Accreditation office who will seek advice from the MBS Research Committee. Advanced standing is not an automatic right of a candidate.

**Course Structure - 72 credit points****Core Units - 60 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

MBS620 Advanced Business Research Methods Seminar -- 4 pts  
Murdoch: S1-internal

MBS522 Quantitative Methods for Business -- 4 pts  
Murdoch: S1-internal

MBS619 Qualitative Business Research Methods -- 4 pts  
Murdoch: S2-internal

**Doctor of Business Administration Thesis**

Full-time students should enrol in the thesis for 12 points for each of four semesters and part-time students should enrol for 6 points for each eight semesters, or unit submission of the thesis (minimum 48 points).

MBS700 Doctor of Business Administration Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

Plus a further enrolment in

MBS700 Doctor of Business Administration Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

Plus a further enrolment in

MBS700 Doctor of Business Administration Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

Plus a further enrolment in

MBS700 Doctor of Business Administration Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

The Doctor of Business Administration Thesis will be an applied systematic examination of a business problem. A principal supervisor will be appointed for each candidate from the academic

staff of the University (normally in the Murdoch Business School); up to two additional supervisors may be appointed. In total there will be at least 48 points of Doctor of Business Administration Thesis.

**Specified Electives - 12 credit points**

In consultation with their supervisor, students select units so as to develop knowledge in the appropriate substantive area of their research topic and to strengthen research methodology knowledge and skills in preparation for undertaking the thesis project. A candidate may be permitted to take up to 8 points undertaking units at another school or institution.

Suitable MBS units can be found in the MBA degrees.

**CHINESE LAW****See also:**

Law

**POSTGRADUATE CERTIFICATE IN CHINESE LAW****School of Law**

Postgraduate Certificate in Chinese Law (PgCertChinLaw)

Course Codes: C1078

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent, plus 3 weeks intensive teaching in Hong Kong in January

**Availability:**

- City University of Hong Kong ['CITYUHK'] (internal) (by formal agreement) (language of instruction: English)

In the contemporary legal and corporate sphere, it is important for lawyers to function effectively in the international arena.

The Postgraduate Certificate in Chinese Law is a unique and innovative course. Students will travel to City University of Hong Kong and study aspects of Chinese law including Chinese constitutional law, commercial and contract law, and international intellectual property law.

The course consists of three weeks of intensive teaching at City University of Hong Kong in January and February, and will be followed by time for students to reflect on the course material and complete the major research assessments after their return from Hong Kong. Students will have the opportunity to form international friendships and gain a firsthand, tangible sense of China -- both its dynamic economic and legal development and its history and culture.

**Employment Prospects:**

Law, commerce and international business.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training in any discipline (this need not be related to Law).

English competence.

**Special Requirements:**

This course is taught at City University of Hong Kong.

Students must possess a passport valid with eligibility for a visa to enter Hong Kong; Permanent Residents may also require a visa for re-entry into Australia.

Students are required to make their own travel arrangements. Students are covered by Murdoch University for travel insurance. Students are responsible for all other costs including airfares,

accommodation, passport and visa fees, vaccinations, meals, taxis and personal expenses. City University of Hong Kong will assist in finding accommodation at competitive rates for students in this course.

Students are advised to be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure, via the following web site:  
<http://www.smartraveller.gov.au/>

All students must complete the University's online Travel Register prior to departure.

### Course Structure - 12 credit points

#### Core Units - 12 credit points

LLM517 Introduction to the Chinese Legal System -- 4 pts  
 CITYUHK: S1D-internal

LLM522 Chinese Contract and Commercial Law -- 4 pts  
 CITYUHK: S1D-internal

LLM574 Chinese Intellectual Property Laws in the Global Context -- 4 pts  
 CITYUHK: S1D-internal

## 6

## COMMUNICATION AND MEDIA STUDIES

### MASTER OF ARTS IN COMMUNICATION MANAGEMENT

#### School of Media Communication and Culture

Master of Arts (MA) in Communication Management

Course Codes: M1173

Restriction: All postgraduate courses are subject to restriction

Duration: 12 months full-time or part-time equivalent, utilising the summer term

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This course focuses on managing communication within an international context, emphasising the Asia-Pacific.

Informed by scholarship in a range of disciplines and also by professional practice, the course will develop students' professional and intellectual skills to enable them to be appropriately prepared for a career in public relations, corporate communication, the media or consultancy related to the creative industries. Its purpose is also to develop students' skills and independent learning ability to enable them to extend their personal development.

#### Employment Prospects:

Executive or managerial positions in corporate communications, public relations and media liaison, or consultancy in the creative industries.

#### Admission Requirements (Onshore):

Four-year Bachelor's degree or three-year Bachelor's degree and at least one year of relevant workplace experience OR three-year Bachelor's degree and at least one year of graduate study in a relevant discipline.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Admission Requirements (Offshore):

Three-year Bachelor's degree and at least one year of relevant workplace experience OR three-year Bachelor's degree and at least one year of graduate study in a relevant discipline.

English competence.

#### Main Research Areas:

Management, media, strategic communication, public relations, journalism, cultural studies.

### Course Structure - 36 credit points

#### Core Units - 20 credit points

MCC6811 Strategic Communication -- 6 pts  
 NA 2011

MCC6821 Global Media: Asia-Pacific Perspectives -- 6 pts  
 Murdoch: S1-internal

MCC683 Communication Management: Professional Perspectives -- 8 pts  
 NA 2011

#### Specified Electives - 16 credit points

Select from the following; at least one unit must be at 600-level:

MCC645 Issues and Crisis Management -- 4 pts  
 Murdoch: S1-internal

MCC637 Cultural and Media Policy -- 4 pts  
 Murdoch: S1-internal, S1-external

MCC615 New Media Technologies -- 4 pts  
 Murdoch: S2-internal, S2-external

MCC607 Campaign Management -- 4 pts  
 Murdoch: S2-internal

MCC566 Media Audiences and the Public -- 4 pts  
 Murdoch: S1-internal, S1-external

MCC559 Media Relations -- 4 pts  
 Murdoch: S1-internal

MCC540 Politics, Journalism and Society -- 4 pts  
 Murdoch: S2-internal

MCC504 Public Relations: Contemporary Approaches -- 4 pts  
 Murdoch: S2-internal

## COMMUNITY DEVELOPMENT

### POSTGRADUATE CERTIFICATE IN COMMUNITY DEVELOPMENT

#### School of Social Sciences and Humanities

Postgraduate Certificate in Community Development (PgCertCommDev)

Course Codes: C1056

Restriction: All postgraduate courses are subject to restriction

Duration: 2 to 3 semesters part-time (due to unit availability)

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

The Postgraduate Certificate in Community Development builds upon student's knowledge of community development theory and practice. In addition, the course provides students with an

understanding of the broad range of settings where community development is carried out and the social and policy forces that impact on its application. It is designed for community work practitioners as well as graduates with an interest in moving into emerging fields that embrace community development.

**Employment Prospects:**

This course will enhance practitioners qualifications and open opportunities for those interested in working in industry areas such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training though not necessarily in an area directly related to the proposed course, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

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**POSTGRADUATE DIPLOMA IN COMMUNITY DEVELOPMENT**

**School of Social Sciences and Humanities**

Postgraduate Diploma in Community Development (PgDipCommDev)

Course Codes: P1037

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

In addition to building upon students' knowledge of community development theory and practice, the Postgraduate Diploma in Community Development is designed to develop knowledge of social research and community participatory methods. The course combines the study of community development theory, settings and policy formation with the development of knowledge and skills in community planning, research methods and program evaluation. As part of their studies students will either undertake a placement with a community organisation or carry out a community-based research project.

**Employment Prospects:**

This course will enhance practitioners qualifications and open opportunities for those interested in social research and working in industry areas such as community and social services, local

government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to the course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Course Structure - 24 credit points**

**Core Units - 24 credit points**

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

COD634 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

COD624 Projects in Community Development -- 4 pts  
Murdoch: S2-internal, S2-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

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**MASTER OF ARTS IN COMMUNITY DEVELOPMENT**

**School of Social Sciences and Humanities**

Master of Arts (MA) in Community Development

Course Codes: M1131

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

People involved with government, neighbourhood groups, social action, overseas aid, schools, local councils, sustainability, Indigenous groups, social services, the arts, business and tourism are all talking about community development as a new way of doing things. The Master of Arts in Community Development provides you with an understanding of the practice of community development, the broad range of settings in which it is carried out, social research methods and social policy forces that impact on practice. It also involves students undertaking an original, substantive investigation of a community development issue under the supervision of a Murdoch University staff member.

**Employment Prospects:**

This course will enhance practitioners' qualifications and open opportunities for those interested in undertaking social research in settings such as community and social services, local government, overseas aid work, economic and social planning, sustainable

development and Indigenous governance.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to the course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Main Research Areas:**

Social Policy, Community Studies, Sociology.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 32 to 40 credit points**

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

COD634 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

COD624 Projects in Community Development -- 4 pts  
Murdoch: S2-internal, S2-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

COD620/COD6201 Master of Arts by Coursework Project -- 4 pts or 8 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

COD650 Community Development Dissertation -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete the 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework, and have the approval of the Academic Chair and of a research supervisor for the proposed thesis. Alternatively, students will be required to complete the Project.

**Specified Electives - 8 to 16 credit points**

Select from the following:

POL697 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

SSH629 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

POL657 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

SOC556 Sociology of Work -- 4 pts  
NA 2011

SOC530 Australian Youth Culture -- 4 pts  
Murdoch: S2-internal, S2-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

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**COUNSELLING**

**See also:**

Psychology

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**POSTGRADUATE CERTIFICATE IN COUNSELLING**

**School of Psychology**

Postgraduate Certificate in Counselling (PgCertCounsel)

Course Codes: C1071

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 years part-time or 6 months full-time (if commencing in Semester 1)

**Availability:**

- Murdoch campus (internal)

The Postgraduate Certificate in Counselling provides students with the opportunity to begin developing professional competence and personal readiness for a career in counselling. The course is committed to experiential learning, enabling students to focus on quality of counselling relationships as a key feature of effective counselling practice.

Students who complete the Postgraduate Certificate in Counselling may apply for admission to the Postgraduate Diploma in Counselling and will be exempt from the units already completed which are common to both degrees.

**Employment Prospects:**

The Postgraduate Certificate provides an introduction to counselling for people wanting to pursue further training. It also provides the opportunity for people to add counselling skills to existing professional roles in health, education, social services or business. Alternatively people with an existing practice in counselling can enrol in a Postgraduate Certificate to develop their skills.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training in any discipline. The admission process includes both application and interview.

English competence.

**Special Requirements:**

Students will need to provide a current police clearance prior to enrolment.

**Selection of Units:**

Students must discuss their selection of units with the Academic Chair prior to enrolment.



Students enrolled prior to 2011 should consult the Counselling Academic Chair for enrolment pathway options.

### **Course Structure - 12 credit points**

#### **Core Unit - 4 credit points**

PSY582 Counselling: Principles of Counselling 1 -- 4 pts  
Murdoch: S1-internal

#### **Specified Electives - 8 credit points**

Select from the following units. In special circumstances, alternate electives from the suite of Counselling units may be negotiated with the Academic Chair.

PSY583 Counselling: Working with Adults -- 4 pts  
Murdoch: S2-internal

PSY566 Counselling: Case Conceptualisation and Assessment -- 4 pts  
Murdoch: S1-internal

PSY581 Counselling: Experiential Learning in Group Counselling -- 4 pts  
Murdoch: S1-internal

PSY578 Counselling: Working with Children and Couples -- 4 pts  
Murdoch: S2-internal

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## **POSTGRADUATE DIPLOMA IN COUNSELLING**

### **School of Psychology**

*Postgraduate Diploma in Counselling (PgDipCounsel)*

Course Codes: P1054

*Restriction: All postgraduate courses are subject to restriction*

*Duration: 1 year full-time or part-time equivalent*

#### **Availability:**

- Murdoch campus (internal)

This course supports students in developing professional competence and personal readiness for a career in counselling. It is committed to experiential learning, with an emphasis on the counselling relationship, the key feature of effective counselling practice. The critical appraisal of counselling literature combined with a practicum in our Counsellor Training Centre provides students with the opportunity to develop their counselling practice.

Students who complete the Postgraduate Diploma may apply for admission to the Master of Counselling and will be exempt from the units already completed which are common to both degrees.

Students wishing to finish their training at this level may apply to complete two specified additional units to meet the accreditation standards of the Psychotherapy and Counselling Federation of Australia (PACFA).

#### **Employment Prospects:**

Graduates may be employed in government and non-government counselling organisations working with adults, children, families and couples. They will be ready for employment in settings requiring individual and group therapy competence.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in any discipline. The admission process includes both application and interview.

English competence.

#### **Special Requirements:**

Students will need to provide a current police clearance prior to enrolment.

#### **Professional Recognition:**

Graduates can meet the accreditation standard of the Psychotherapy and Counselling Federation of Australia (PACFA) on completion of this course with the addition of two further units: PSY621 Counselling: Placement and Supervision Group 2 and PSY684 Counselling: Principles of Counselling 2.

### **Course Structure - 24 credit points**

Students enrolled prior to 2011 should consult the Academic Chair for enrolment pathway options.

#### **Core Units - 24 credit points**

PSY582 Counselling: Principles of Counselling 1 -- 4 pts  
Murdoch: S1-internal

PSY581 Counselling: Experiential Learning in Group Counselling -- 4 pts  
Murdoch: S1-internal

PSY579 Counselling: Placement and Supervision Group 1 -- 4 pts  
Murdoch: DE7-internal, S1L-internal

PSY566 Counselling: Case Conceptualisation and Assessment -- 4 pts  
Murdoch: S1-internal

PSY583 Counselling: Working with Adults -- 4 pts  
Murdoch: S2-internal

PSY578 Counselling: Working with Children and Couples -- 4 pts  
Murdoch: S2-internal

### **Additional Professional Accreditation Requirements**

Accreditation with the Psychotherapy and Counselling Federation of Australia requires completion of the Postgraduate Diploma in Counselling PLUS completion of the following two units:

PSY621 Counselling: Placement and Supervision Group 2 -- 4 pts  
Murdoch: DE7-internal, S1L-internal

PSY684 Counselling: Principles of Counselling 2 -- 4 pts  
NA 2011

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## **MASTER OF COUNSELLING**

### **School of Psychology**

*Master of Counselling (MCounsel)*

Course Codes: M1143

*Restriction: All postgraduate courses are subject to restriction*

*Duration: 2 years full-time or part-time equivalent*

#### **Availability:**

- Murdoch campus (internal)

The Master of Counselling supports students in developing professional competence and personal readiness for a career in counselling. The course is committed to experiential learning, with an emphasis on the counselling relationship, the key feature of effective counselling practice. All students engage in the critical appraisal of selected counselling literature/research. In the second year students can complete a substantial research project addressing an issue in counselling theory or practice, or complete their award through course work and case study. Three supervised practica provide students with the opportunity to develop an integrated and professional counselling practice.

#### **Employment Prospects:**

Graduates may be employed in government and non-government counselling organisations working with adults, children, families and couples. They will be ready for employment in settings

requiring individual and group therapy competence.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in any discipline. The admission process includes both application and interview.

English competence.

**Special Requirements:**

Students will need to provide a current police clearance prior to enrolment.

**Professional Recognition:**

Psychotherapists and Counsellors Federation of Australia (PACFA)

Students enrolled prior to 2011 should consult the Counselling Academic Chair for enrolment pathway options.

**Course Structure - 48 credit points**

**Core Units - 36 credit points**

PSY582 Counselling: Principles of Counselling 1 -- 4 pts  
Murdoch: S1-internal

PSY684 Counselling: Principles of Counselling 2 -- 4 pts  
NA 2011

PSY578 Counselling: Working with Children and Couples -- 4 pts  
Murdoch: S2-internal

PSY583 Counselling: Working with Adults -- 4 pts  
Murdoch: S2-internal

PSY581 Counselling: Experiential Learning in Group Counselling -- 4 pts  
Murdoch: S1-internal

PSY579 Counselling: Placement and Supervision Group 1 -- 4 pts  
Murdoch: DE7-internal, S1L-internal

PSY566 Counselling: Case Conceptualisation and Assessment -- 4 pts  
Murdoch: S1-internal

PSY621 Counselling: Placement and Supervision Group 2 -- 4 pts  
Murdoch: DE7-internal, S1L-internal

PSY622 Counselling: Placement and Supervision Group 3 -- 4 pts  
Murdoch: DE7-internal, S1L-internal

**Specified Electives - 12 credit points**

Students are required to choose between enrolment in the Research Project alone OR complete all the remaining electives:

PSY620 Counselling: Research Project -- 12 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

OR

PSY677 Counselling: Case Study -- 4 pts  
Murdoch: S2-internal

and

PSY676 Counselling: Introduction to Creative Arts Therapies -- 4 pts  
Murdoch: S1-internal

and

PSY674 Counselling: Trauma Counselling -- 4 pts  
Murdoch: S1-internal

**CREATIVE ARTS**

**GRADUATE CERTIFICATE IN CREATIVE ARTS**

**School of Social Sciences and Humanities**

Graduate Certificate in Creative Arts (GradCertCA)

Course Codes: C1052

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Graduate Certificate in Creative Arts is designed for graduates of English and other disciplines who wish to extend their studies in the area of creative writing, theatre and drama studies.

**Employment Prospects:**

Performance in the Arts industry, production and design in the Arts industry, script writing for theatre and film companies, professional writing generally, writing for advertisements.

**Admission Requirements (Onshore):**

Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points**

**Specified Electives - 12 credit points**

Select a minimum of 12 points from the units below. Choice of units may be dependent on unit prerequisites. Students should contact the Academic Chair for advice.

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

EGL215 Design -- 4 pts  
Murdoch: S2-internal

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL329 Acting and Production II -- 4 pts  
Murdoch: S2-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

EGL308 Shakespeare -- 4 pts  
Murdoch: S2-internal, S2-external

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts  
Murdoch: S1-internal, S1-external

## GRADUATE DIPLOMA IN CREATIVE ARTS

### School of Social Sciences and Humanities

Graduate Diploma in Creative Arts (GradDipCA)

Course Codes: G1038

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Graduate Diploma in Creative Arts is designed for graduates of English and other disciplines who wish to extend their studies in the area of creative writing, theatre and drama studies.

#### Employment Prospects:

Performance in the Arts industry, production and design in the Arts industry, script writing for theatre and film companies, professional writing generally, writing for advertisements.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

### Course Structure - 24 credit points

#### Specified Electives - 24 credit points

Select from the following:

EGL269 Contemporary Creative Writing: Image and Scene -- 4 pts  
Murdoch: S1-internal, S1-external

EGL260 Project in Creative Writing -- 4 pts  
Murdoch: S1-internal

EGL210 Writing for the Stage -- 4 pts  
Murdoch: S2-internal, S2-external

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

EGL215 Design -- 4 pts  
Murdoch: S2-internal

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL329 Acting and Production II -- 4 pts  
Murdoch: S2-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

EGL308 Shakespeare -- 4 pts  
Murdoch: S2-internal, S2-external

## DEVELOPMENT STUDIES

### See also:

Policy Studies

## MASTER OF ARTS IN DEVELOPMENT STUDIES

### School of Social Sciences and Humanities

Master of Arts (MA) in Development Studies

Course Codes: M1028

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This course enables students to approach the complex issues related to contemporary processes of globalisation, economic and social development from an interdisciplinary perspective. It permits considerable flexibility in combining units from a range of disciplines to complement the varied backgrounds and requirements that students bring to the course.

Students may also opt for a six-week, summer or semester Professional Practicum in Indonesia.

#### Employment Prospects:

This degree is designed to serve the advanced needs of teachers, journalists, development consultants and those currently working or seeking employment in government and private sector organisations concerned with environmental protection, development assistance and the relationships between trade, capital and people in the global system.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

### Course Structure - 48 credit points

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

#### Year 1 - 24 credit points

##### Core Units - 8 credit points

Select from the following:

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

EDU627 Development and Education -- 4 pts

Murdoch: S1-external

STP604 Overseas Aid and International Development -- 4 pts

Murdoch: S1-internal, S1-external

### **Specified Electives - 16 credit points**

Select from the following or from any of the Core Units not already completed:

Students wanting to undertake a six-week summer or semester development practicum in Indonesia should contact the Academic Chair.

ENV512 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

ENV503 GIS for Environmental Management and Planning -- 4 pts

Murdoch: S2-internal, S2-external

COD545 Community Development Theory and Practice -- 4 pts

Murdoch: S1-internal, S1-external

AST650 Society, Culture and Ecology in Asia -- 4 pts

Murdoch: S1-internal, S1-external

AST558 Women in Asian Societies -- 4 pts

Murdoch: S2-internal, S2-external

POL657 Authoritarianism and Democracy in Asia -- 4 pts

Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

MBS593 Chinese Economy -- 4 pts

Murdoch: W-internal, W-external

STP633 Disasters and Risk Management -- 4 pts

Murdoch: UA2-internal

SSH601 Special Topics in Development Studies: Working in Aid and Development -- 4 pts

Murdoch: W3-internal

COD655 Community and Social Policy -- 4 pts

Murdoch: S1-internal, S1-external

MCC511 Gender, Globalisation and Cultural Politics -- 4 pts

Murdoch: S2-internal, S2-external

MCC540 Politics, Journalism and Society -- 4 pts

Murdoch: S2-internal

AIS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts

pts

Murdoch: S1-internal, S1-external

ENV560 Environmental Technology for Sustainable Development -- 4 pts

4 pts

Murdoch: S2-internal, S2-external

SSH629 Ethnic Diversity and Ethnic Conflict -- 4 pts

Murdoch: S2-internal, S2-external

PHL472 Ethics in Practice -- 4 pts

Murdoch: S2-internal, S2-external

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts

pts

Murdoch: S2-internal, S2-external

## **Year 2 - 24 credit points**

### **Core Units - 12 to 24 credit points**

Select one unit from the following:

COD634 Creative Ways to Work with Community -- 4 pts

Murdoch: S1-internal, S1-external

COD624 Projects in Community Development -- 4 pts

Murdoch: S2-internal, S2-external

STP6321 Sustainable Development Internship/Project -- 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

\* STP632 Sustainable Development Internship/Project -- 8 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

Plus one of the following Methodology units:

STP618 Honours and Masters Research Seminar -- 4 pts

Murdoch: S1-internal, S1-external

EDU637 Program Evaluation -- 4 pts

Murdoch: S1-external

Plus one of the following:

AST641/AST6411 Development Studies Project -- 8 pts or 4 pts

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, Y-internal, Y-external

AST640 Development Studies Dissertation -- 12 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework, and have the approval of the Academic Chair and of a research supervisor for the proposed thesis. Alternatively, students will be required to complete the Development Studies Project.

\* Students completing the Project may want to consider STP632

Sustainable Development Internship/Project -- 8 pts.

### **Specified Electives - 0 to 12 credit points**

Select from the following units. Note that the requirement to complete specified electives may not apply to students completing the Dissertation.

POL613 Gender and Development -- 4 pts

NA 2011

OR

DVST9043 Gender Analysis - 4 points equivalent.

This unit is offered by Flinders University and is available on a cross-institutional basis to all students enrolled in the MA Development Studies. For details please contact the Academic Chair.

MBS531 Economics of Globalisation -- 4 pts

Murdoch: SUM-internal, SUM-external

STP630 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

STP606 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

EDU646 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU625 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

POL606 States, Governance and Globalisation -- 4 pts  
Murdoch: S2H-internal

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

MCC607 Campaign Management -- 4 pts  
Murdoch: S2-internal

\*\*LAW408 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

\*\*LAW421 Dispute Resolution -- 4 pts  
Murdoch: S2-internal, SB4-internal (quota of 50 places)

\*\*LAW407 Mediation -- 4 pts  
Murdoch: SP18-internal

\*\* Enrolment in the unit requires permission of the Unit Coordinator.

Students may also select elective units from another related coursework Masters, with the Academic Chair's approval.

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## DISPUTE RESOLUTION

**See also:**  
Law

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### GRADUATE CERTIFICATE IN DISPUTE RESOLUTION

#### School of Law

Graduate Certificate in Dispute Resolution (GradCertDispRes)

Course Codes: C1043

Restriction: All postgraduate courses are subject to restriction

Duration: 2 or more semesters part-time

#### Availability:

- Murdoch campus (internal)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

This certificate is only available over two or more semesters part time. Each unit involves both theoretical knowledge and practical application of dispute resolution in a variety of contexts.

#### Employment Prospects:

Employment prospects are good for graduates with this qualification in business, government and other organisations.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or professional experience. Students who have successfully completed LEG221 Dispute Resolution, LEG207 Mediation and LEG208 Negotiation are ineligible for admission to this course.

English competence.

#### Special Requirements:

Internet access is required to participate in the flexible mode of

teaching and learning. Some intensive on-campus sessions may be held.

#### Main Research Areas:

Conflict and dispute resolution.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

#### Course Structure - 12 credit points

##### Core Units - 12 credit points

LAW421 Dispute Resolution -- 4 pts  
Murdoch: S2-internal, SB4-internal (quota of 50 places)

LAW407 Mediation -- 4 pts  
Murdoch: SP18-internal

LAW408 Negotiation -- 4 pts  
Murdoch: S2-internal (quota of 50 places)

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## DRAMA TEACHING

**See also:**  
Education

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### GRADUATE CERTIFICATE IN DRAMA TEACHING

#### School of Education

Graduate Certificate in Drama Teaching (GradCertDramaTeach)

Course Codes: C1040

Restriction: All postgraduate courses are subject to restriction

Duration: 2 to 4 semesters part-time

#### Availability:

- Some units only: Murdoch campus (internal) (all but one unit)
- Some units only: Murdoch campus (external) (all but one unit)

This Certificate is designed for qualified teachers who would like to make drama teaching one of their specialisations. It builds on the learning that teachers have already acquired with particular emphasis on the secondary years -- middle schooling, lower secondary and post-compulsory.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training and a recognised and relevant teaching qualification. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission, but should note that the course does not constitute an initial teaching qualification. In these cases prerequisite enrolment in a teacher education major/course may be waived.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Further Study:

The Certificate may be upgraded with a further 12 points to a Graduate Diploma in Education Studies, or, on completion, students may be granted 8pts advanced standing towards a Master of Education (Coursework) degree.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points****Core Units - 8 credit points**

EDN412 Drama and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

**Specified Electives - 4 credit points**

Select from the following:

EGL226 Acting and Production I -- 4 pts  
Murdoch: S1-internal

EGL225 Performance and Creative Arts -- 4 pts  
Murdoch: S2-internal

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

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**EARLY CHILDHOOD EDUCATION**

**See also:**  
Education

**GRADUATE CERTIFICATE IN EARLY CHILDHOOD EDUCATION****School of Education**

Graduate Certificate in Early Childhood Education (GradCertEarlyChildEd)

Course Codes: C1046

Restriction: All postgraduate courses are subject to restriction

Duration: 2 to 4 semesters part-time

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (except for school experiences)
- Some units only: Rockingham campus (internal)

This course is designed for qualified primary teachers who wish to make early childhood education one of their recognised specialisations. It specifically addresses the early childhood years K to 3.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to the Certificate, but should note that the course does not constitute an initial teaching qualification.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Placement in the practicum component of the Graduate Certificate will require that students obtain Police Clearance through the WA Department of Education. Students should refer to the Study at Murdoch section of this Handbook for details on this essential

requirement. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. These checks are a national check to identify those who have a criminal history which indicates they may harm children. The appropriate application form is available from the School Experience Office or the WA Department of Education web site. Federal and state police clearances obtained through police stations are not acceptable.

**Further Study:**

The Certificate may be upgraded with a further 12 points to a Graduate Diploma in Education Studies, or, on completion, students may be granted 8pts advanced standing towards a Master of Education (Coursework) degree.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points****Core Units - 4 credit points**

EDN2191 Professional Experience: GradCertEdSt -- 4 pts  
Murdoch: AU13-external, SP26-external

**Specified Electives - 8 credit points**

Select from the following:

EDN320 Principles and Practices in Early Childhood Education -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN322 Integrated Early Childhood Curriculum -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDU412 Critical Perspectives in Early Childhood Education -- 4 pts  
Murdoch: S2-external

Some students may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case students should substitute from the list of Education Studies units. Applications for exemption should be submitted to the Accreditation Officer.

**ECONOMICS****POSTGRADUATE CERTIFICATE IN ECONOMICS****Murdoch Business School**

Course Codes: C1094

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is designed to meet the needs of graduates from disciplines other than Economics who require specialised training and a qualification in economics. It can be completed in six months on a full-time basis (or one year part-time) by those with a background equivalent to that gained in the unit BUS161 Introduction to Economics. Students without this background are

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

required to complete this unit prior to entering the course.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in an area other than Economics, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

MBS561 Microeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

MBS562 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

**POSTGRADUATE DIPLOMA IN ECONOMICS**

**Murdoch Business School**

Course Codes: P1067

Restriction: All postgraduate courses are subject to restriction

Duration: 2 semesters full-time or part-time equivalent (depending on unit selection)

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is designed to meet the needs of graduates who require training and additional qualifications in economics. Students apply economic tools of analysis to the business and to economic policy issues and problems. The course is particularly suited to graduates working in major corporations and financial institutions together with policy analysts in government. It can be completed in one year on a full-time basis (or two years part-time) by those with a background equivalent to that gained in BUS161 Introduction to Economics. Students without such background are required to complete this unit prior to entering the course.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in an area other than Economics, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Course Structure - 24 credit points**

**Core Units - 12 credit points**

MBS561 Microeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

MBS562 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

**Specified Electives - 12 credit points**

Select from the following:

MBS522 Quantitative Methods for Business -- 4 pts  
Murdoch: S1-internal

MBS612 Research Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

MBS666 Economics and Business Strategy -- 4 pts  
Murdoch: S2-internal, S2-external

**EDUCATION**

**GRADUATE CERTIFICATE IN EDUCATION STUDIES**

**School of Education**

Graduate Certificate in Education Studies (GradCertEdSt)

Course Codes: C1082

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (reduced unit selection)

This course offers professional development for teachers who want to qualify for teacher registration in Western Australia, deepen their expertise in particular aspects of Education, or broaden into new areas of specialisation.

This is a uniquely flexible graduate-entry qualification, available to Bachelor-level graduates with an Australian or overseas teaching qualification from a recognised institution, who are ineligible for registration in Western Australia. For Initial Teacher Education qualifications see the Bachelor of Education, the Bachelor of Education (Graduate) or the Graduate Diploma in Education.

The course content is tailored to suit each student's requirements and combines Education Studies and Specialist Studies usually, but not necessarily, in a non-Education field. Students will construct their own unit set in consultation with the Academic Chair to best meet their needs.

Successful completion of the Graduate Certificate where at least two units have been completed at 400/600-level will mean that 8 credit points can be used as credit towards the Master of Education (Coursework).

**Admission Requirements (Onshore):**

A recognised Bachelor's degree in Education or higher, or equivalent training, requiring at least three years of full-time study or the part-time equivalent.

A proposed program of study must be chosen in consultation with the Academic Chair in the School of Education. The Graduate Certificate in Education Program of Study form must be approved by the Academic Chair in the School of Education prior to enrolment.

English competence.

Internet access is required for students studying externally;

exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Placement in a practicum component of the Graduate Certificate will require that students obtain police clearance through the WA Department of Education and a Working with Children check through the Department of Community Development. Students should refer to the Study at Murdoch section of this Handbook for details on these essential requirements.

**Professional Recognition:**

Western Australian College of Teachers (WACOT); Department of Education, Western Australia.

**Main Research Areas:**

Education, Science, Arts.

**Course Structure - 12 credit points**

A coherent set of specialist studies and education studies units as determined in consultation with the Academic Chair and, if relevant, according to the specific areas that the Western Australian College of Teaching (WACOT) has identified as being required in order for the student to be granted teacher registration in Western Australia.

and learning practices that use collaborative learning and/or technologies to engage students. Participants may further focus on motivation, mentoring, creativity, social and emotional aspects of learning, technologies for learning, e-learning or collaborative teaching.

Teaching for Social Justice specifically addresses the concerns of teachers and other education professionals who are committed to improving the educational outcomes of students who are served least well by schooling. A variety of content units are available depending on areas of interest. The course provides an opportunity to critically reflect on issues of race and racism, ethnicity and culture, gender and discrimination, social class and poverty, prejudice and stereotyping, power and powerlessness, and encourages participants to engage in critically reflective professional practice. Through practical activities, discussion of relevant research and collegial exchange, participants will further enhance their ability to engage productively with students, schools and communities.

Curriculum Leadership and Innovation provides professional learning opportunities for teachers, school leaders, and others interested in understanding and engaging in curriculum leadership and innovation. Participants will be able to focus on curriculum areas of their choice.

Service Learning provides professional development or learning opportunities for Community Service Program coordinators and others involved in service learning or community learning programs for children and young people.

Adult Learning provides practitioners engaged in the education of adults with professional learning opportunities designed around their specific practice context.

Contemporary Education provides professional learning in contemporary education that participants can tailor to their own professional needs through selection of unit combinations.

**Employment Prospects:**

This course is a specialised qualification for teachers and school leaders.

**Admission Requirements (Onshore):**

Recognised three- or four-year teaching qualification or higher, or equivalent training. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to the course, but should note that it does not constitute an initial teaching qualification.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Articulation:**

The specialisations offered in this course form an intermediate award in the Master of Education (Coursework). On completion of the Master of Education (Coursework) students are eligible for both the Postgraduate Certificate and the Master of Education (Coursework) subject to the specialisation being satisfied.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

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**POSTGRADUATE CERTIFICATE IN EDUCATION (SPECIALISATIONS)**

**School of Education**

Postgraduate Certificate in Education (PgCertEd)

Course Codes: C1085

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent (depending on unit selection)

**Availability:**

- Murdoch campus (internal) (only some units available internally for Leadership and Policy, Innovation for Teaching and Learning, and Service Learning specialisations)
- Murdoch campus (external)

The course provides teachers and school leaders with the opportunity to extend their professional learning by studying three units in a specific area of interest. The specialisations have been developed around current educational issues. The course is designed so that participants can relate their study to their own workplace and professional development and, with another three units, complete a Master of Education.

The Postgraduate Certificate in Education is available in the following areas of specialisation:

Leadership and Policy  
 Innovation for Teaching and Learning  
 Teaching for Social Justice  
 Curriculum Leadership and Innovation  
 Service Learning  
 Adult Learning  
 Contemporary Education

Leadership and Policy provides practising and aspiring leaders with a contemporary perspective on leadership theory and practice within the local, national and international educational policy context. The units offer a broad research base in both leadership and policy in changing social and political settings, with opportunities for applications to current workplaces.

Innovation for Teaching and Learning provides professional learning opportunities for educators to examine innovative teaching



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**Leadership and Policy Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for replacements.

Select from the following:

EDU655 Educational Planning and Management -- 4 pts  
Murdoch: S1-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

EDU658 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Innovation for Teaching and Learning Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for replacements.

Select from the following:

EDU671 Mentoring -- 4 pts  
Murdoch: S2-external

EDU675 Opportunities with e-learning -- 4 pts  
Murdoch: W2-internal

EDU617 Learning and Teaching with ICT -- 4 pts  
Murdoch: S2-external

EDU647 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Teaching for Social Justice Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for replacements.

Select from the following:

EDU625 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDU661 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external

EDU663 Aboriginal Perspectives Across the Curriculum -- 4 pts  
Murdoch: S1-internal

EDU658 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU624 Critical Pedagogy: Gender, Race and Social Class in Education -- 4 pts  
Murdoch: SUM-internal

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Curriculum Leadership and Innovation Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for replacements.

Select from the following:

EDU688 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

EDU620 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Service Learning Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Students who have already completed any of the required core units below should contact the Academic Chair for replacements.

Select from the following:

EDU661 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU600 Education Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Adult Learning Specialisation****Course Structure - 12 credit points**

**Core Units - 12 credit points**

Students who have already completed any of the required core units below should contact the Academic Chair for replacements.

Select from the following:

EDU646 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU645 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU644 Tertiary and Adult Education Policy -- 4 pts  
Murdoch: S2-internal, S2-external

EDU671 Mentoring -- 4 pts  
Murdoch: S2-external

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

OR

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**Contemporary Education Specialisation****Course Structure - 12 credit points****Core Units - 12 credit points**

Select any three units from the specialisations listed above or other 600-level units offered by the School of Education.

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**POSTGRADUATE CERTIFICATE IN INTERNATIONAL EDUCATION IN SCHOOLS****School of Education**

Course Codes: C1092

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 semesters part-time (depending on unit selection)

**Availability:**

- Some units only: Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This course is designed for teaching professionals. It introduces the issues, history and development of international education, including a range of international curriculum models and practices. It examines and critiques the International Baccalaureate (IB) suite of programs: Primary Years Program, Middle Years Program and Diploma Program.

**Employment Prospects:**

International Baccalaureate schools throughout the world.

**Admission Requirements (Onshore):**

Recognised qualification as an Early Childhood Education, Primary or Secondary teacher. For example: Bachelor of Education, Diploma of Education, Graduate Diploma of Education, or equivalent. Applicants will also need to obtain: Federal Police Clearance, a WA Working With Children Check and be registered with their local teacher registration body, e.g. the Western Australian College of Teaching (WACOT).

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

This course requires 15 days of field experience in an IB school over

the three units that comprise the certificate: 5 days per unit. Students are therefore required to have the following set of clearances before the start of the course:

1. A police clearance
2. A Working with Children clearance from the WA Department of Education and Training or equivalent
3. Registration with a governing body such as the Western Australian College of Teaching (WACOT) is preferred to confirm eligibility to work in their local setting.

**Professional Recognition:**

This course has been authorised and credited by the International Baccalaureate (IB). It meets the requirements of the IB Teacher Award Level 1. On completion, students will also receive a Certificate from the IB.

<http://www.ibo.org/programmes/pd/award>

**Core Unit:**

EDU613 International Education: Issues and Practices in Schools is only offered as an intensive 5-day, on-campus component. In addition it includes 5 days of field experience in an International Baccalaureate (IB) school for those non-IB experienced teachers. Students not currently working in an IB school will be provided access to local IB schools. In Western Australia, Presbyterian Ladies College and Scotch College are designated placement schools.

**Articulation:**

This course forms an intermediate award in the Master of Education (Coursework). On completion of the Master of Education (Coursework) students are eligible for both the Postgraduate Certificate and the Master of Education (Coursework) subject to the requirements of the certificate being satisfied.

**Course Structure - 12 credit points****Core Units - 4 credit points**

EDU613 International Education: Issues and Practices in Schools -- 4 pts  
Murdoch: SB6-internal, W3-internal

**Specified Electives - 8 credit points**

Select from the following:

EDU618 Professional Development Portfolio -- 4 pts  
Murdoch: S1-external, S2-external, W3-internal

EDU604 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

EDU646 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU609 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts  
Murdoch: S2-external

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**GRADUATE DIPLOMA IN EDUCATION (PRIMARY)****School of Education**

Graduate Diploma in Education (GradDipEd) (Primary)

Course Codes: G1023

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent with a summer commencement. Students commencing mid-year will need 1.5 years minimum enrolment to complete requirements.

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (except for one school experience [EDN2151] and one week intensive for EDN227)

The Graduate Diploma in Education (GradDipEd) is a one-year full-time initial teaching qualification for graduates who hold a Bachelor's degree in some non-Education field relevant to teaching. It offers graduates a professional preparation for teaching in primary schools, in secondary schools, or for a wide range of other careers with an education focus.

For Primary Teacher Education students, a wide range of undergraduate degrees is appropriate although, in some Australian states and territories, employers expect certain subjects to be included in the undergraduate degrees of primary teachers who qualify through the Graduate Diploma route. Students may wish to seek advice on this from The Student Centre or the Academic Chair.

Students who already have a non-Education Bachelor degree may apply for entry to the Bachelor of Education (Graduate) and, depending on previous background, will be able to complete the BEd in two years full-time or part-time equivalent.

**Employment Prospects:**

Murdoch graduates are employed in government and non-government schools and other education related occupations throughout the world. Students should note, however, that some Australian states require a minimum of two years of professional pre-service education.

**Admission Requirements (Onshore):**

Recognised and appropriate Bachelor's degree or higher; a wide range of undergraduate degrees is appropriate.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. Therefore, a current WA Department of Education Criminal Record check is required. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. These checks are a national check to identify those who have a criminal history which indicates they may harm children. The appropriate application form is available from the School Experience Office or the WA Department of Education web site. Federal and state police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for details on this important matter.

Students with undergraduate degrees from non-English speaking environments should note that registration as a teacher in WA requires English language competence to be demonstrated. This requirement is administered by the Western Australian College of Teaching (WACOT). Affected students are advised to contact WACOT for further details.

Students should note that both internal and external GradDipEd students take EDU1011 Introduction to Teaching in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester 1.

For students in the GradDipEd (Primary), on-campus attendance is required for a one-week intensive workshop for EDN227 Teaching Arts and HPE in Primary Schools.

**Exemptions from School Experience and Other Units:**

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from the School Experience component of EDN1121 Understanding Teachers' Work.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from School Experience. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Some students may have completed one or more of the required units listed below in their previous studies. Such students may also seek exemption from the unit.

Students cannot receive exemption from Professional Internship units but those who are exempt from School Experience and are also currently employed in relevant teaching positions may seek permission to complete Professional Internship units in their school. Students should contact the Academic Advisor in the School Experience Office.

All applications for exemption must be directed to the Accreditation Officer.

If seeking uncredentialed credit, students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience.

**Study Options:**

Students taking the Graduate Diploma in Education (Primary or Secondary) are advised that the student contribution liability for these courses is commensurate with the load for these courses: viz 1.25 that of a normal 24-point load.

**External Study:**

Not all required units in this course are offered completely externally. Some are offered as short-term sessions on campus or in Perth metropolitan schools.

a) GradDipEd students take EDN1121 Understanding Teachers' Work in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester. This unit is a prerequisite for the curriculum and school experience units beginning in Semester 1.

b) External students must undertake the first School Experience unit in a Perth metropolitan school under the guidance of a Murdoch University Supervisor (this does not include EDN1121). Subject to satisfactory completion of this unit, students may negotiate with the School Experience Office to complete their subsequent school experience elsewhere.

c) For external students in the Primary Graduate Diploma, on-campus attendance is also required for a one-week intensive workshop for EDN227 Teaching Arts and HPE in Primary Schools.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

## Course Structure - 30 credit points

### Core Units - 30 credit points

Students must complete the unit EDN1121 Understanding Teachers' Work -- 3 pts in an intensive on-campus session held in the four-week period immediately prior to the commencement of Semester 1. It must be completed successfully before commencing the Primary Curriculum or School Experience units, which begin in Semester 1.

Part-time and external students should enrol concurrently in EDU2821 Primary Curriculum I (English) -- 3 pts and EDU2851 Primary Curriculum III (Mathematics) -- 3 pts and EDN2151 Professional Experience: Primary Graduate -- 2 pts.

Students should complete EDU291 Professional Internship Prelim: Primary GradDipEd -- 2 pts and EDU292 Professional Internship: Primary GradDipEd -- 4 pts in the last semester of their final year.

EDN1121 Understanding Teachers' Work -- 3 pts  
Murdoch: SB7-internal

EDN245 Learning and Assessment Processes -- 3 pts  
Murdoch: Y-internal, Y-external

EDU2821 Primary Curriculum I (English) -- 3 pts  
Murdoch: UW2-internal, UW2-external

EDU2851 Primary Curriculum III (Mathematics) -- 3 pts  
Murdoch: UW2-internal, UW2-external

EDU2861 Primary Curriculum IV (Society and Environment, Science) -- 3 pts  
Murdoch: S1-internal, S1-external

EDU2311 Schools in Context -- 3 pts  
Murdoch: S1-internal, S1-external, S2-external

EDN227 Teaching Arts and HPE in Primary Schools -- 2 pts  
Murdoch: SP21-internal, SP21-external

EDN2151 Professional Experience: Primary Graduate -- 2 pts  
Murdoch: AU4-external

EDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-external

EDU291 Professional Internship Prelim: Primary GradDipEd -- 2 pts  
Murdoch: AU10-external, W5-external

EDU292 Professional Internship: Primary GradDipEd -- 4 pts  
Murdoch: AW1-external, SP2-internal, SP2-external

Note that EDN3162 Second/Foreign Languages and the Curriculum -- 3 pts [Murdoch: S1-internal, S1-external] may replace EDU2311 Schools in Context -- 3 pts for students who have adequate knowledge of a language other than English (LOTE) or who are interested in working with students for whom English is a second language.

## GRADUATE DIPLOMA IN EDUCATION (SECONDARY)

### School of Education

Graduate Diploma in Education (GradDipEd) (Secondary)

Course Codes: G1024

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent with a summer commencement. Students commencing mid-year will need 1.5 years minimum enrolment to complete requirements.

#### Availability:

- Murdoch campus (internal)

- Murdoch campus (external) (except for school experiences)

The Graduate Diploma in Education (GradDipEd) is a one-year full-time initial teaching qualification for graduates who hold a Bachelor's degree in some non-Education field relevant to teaching. It offers graduates a professional preparation for teaching in primary schools, in secondary schools, or for a wide range of other careers with an education focus.

For Secondary Teacher Education students, the undergraduate degree must be relevant to one of the following learning areas in secondary schools: English, Drama, Media, Society and Environment, Science, Mathematics, Languages Other Than English (LOTE), or English as a Second Language (ESL).

Students who already have a non-Education Bachelor degree may apply for entry to the Bachelor of Education (Graduate) and, depending on previous background, will be able to complete the BEd in two years full-time or part-time equivalent.

#### Employment Prospects:

Murdoch graduates are employed in government and non-government schools and other education related occupations throughout the world. Students should note, however, that some Australian states require a minimum of two years of professional pre-service education.

#### Admission Requirements (Onshore):

Recognised and appropriate Bachelor's degree or higher; the degree must be relevant to one of the curriculum areas offered at Murdoch.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

The WA Department of Education and cooperating non-government schools have the right to determine 'fit and proper persons' to enter and practice in schools. Therefore, a current WA Department of Education Criminal Record check is required. Under the Working with Children (Criminal Record Checking) Act 2004, compulsory criminal record checks are required for people working with children. These checks are a national check to identify those who have a criminal history which indicates they may harm children. The appropriate application form is available from the School Experience Office or the WA Department of Education web site. Federal and state police clearances obtained through police stations are not acceptable. Students should refer to the Study at Murdoch section of this Handbook for details on this important matter.

Students with undergraduate degrees from non-English speaking environments should note that registration as a teacher in WA requires English language competence to be demonstrated. This requirement is administered by the Western Australian College of Teaching (WACOT). Affected students are advised to contact WACOT for further details.

Students should note that both internal and external GradDipEd students take EDN1121 Understanding Teachers' Work in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester 1.

#### Exemptions from School Experience and Other Units:

Students who have been employed as a teacher and have had at least one year of full-time equivalent recent, relevant and satisfactory teaching experience in an Australian school context may seek exemption from the School Experience component of EDN1121 Understanding Teachers' Work.

Students who have had at least two years of full-time recent, relevant and satisfactory teaching experience in an Australian school context may seek partial exemption from School Experience. Whilst Murdoch recognises that some students may have prior and/or current teaching experience, it requires that a student's classroom competence be assessed before exemptions from School Experience can be given.

Some students may have completed one or more of the required units listed below in their previous studies. Such students may also seek exemption from the unit.

Students cannot receive exemption from Professional Internship units but those who are exempt from School Experience and are also currently employed in relevant teaching positions may seek permission to complete Professional Internship units in their school. Students should contact the Academic Advisor in the School Experience Office.

All applications for exemption must be directed to the Accreditation Officer.

If seeking uncredentialed credit, students must submit a case in writing, with supporting documentary evidence to explain how the outcomes of units have already been achieved through prior experience.

#### **Study Options:**

Students taking the Graduate Diploma in Education (Primary or Secondary) are advised that the student contribution liability for these courses is commensurate with the load for these courses: viz 1.25 that of a normal 24-point load.

#### **External Study:**

Not all required units in this course are offered completely externally. Some are offered as short-term sessions on campus or in Perth metropolitan schools.

a) GradDipEd students take EDN1121 Understanding Teachers' Work in the Summer option, which is an intensive 3-point version held on campus in the four-week period immediately prior to the commencement of Semester. This unit is a prerequisite for the curriculum and school experience units beginning in Semester 1.

b) External students must undertake the first School Experience unit in a Perth metropolitan school under the guidance of a Murdoch University Supervisor (this does not include EDN1121). Subject to satisfactory completion of this unit, students may negotiate with the School Experience Office to complete their subsequent school experience elsewhere.

#### **Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

### **Course Structure - 30 credit points**

#### **Core Units - 26 credit points**

Students must complete the unit EDN1121 Understanding Teachers' Work -- 3 pts in an intensive on-campus session held in the four-week period immediately prior to the commencement of Semester 1. It must be completed successfully before commencing the Secondary Curriculum or School Experience units, which begin in Semester 1.

Students should have completed all course requirements including their Curriculum Major, Curriculum Minor and EDN2101 Professional Experience: BEd Secondary -- 2 pts prior to enrolling in EDU293 Professional Internship Prelim: Secondary GradDipEd -- 2 pts and EDU297 Professional Internship: Secondary GradDipEd -- 4 pts. Students should complete EDU293 Professional Internship Prelim: Secondary GradDipEd -- 2 pts and EDU297 Professional Internship: Secondary GradDipEd -- 4 pts in their last semester of study.

EDN1121 Understanding Teachers' Work -- 3 pts  
Murdoch: SB7-internal

EDU231 Schools in Context -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
Rockingham: S1-internal

EDN245 Learning and Assessment Processes -- 3 pts  
Murdoch: Y-internal, Y-external

EDN2161 Professional Experience: Secondary Graduate -- 2 pts  
Murdoch: AU4-external

EDN3341 Inclusive Education -- 2 pts  
Murdoch: SP26-internal, SP26-external

EDU293 Professional Internship Prelim: Secondary GradDipEd -- 2 pts  
Murdoch: AU10-external, W5-external

EDU297 Professional Internship: Secondary GradDipEd -- 4 pts  
Murdoch: AW1-external, SP2-internal, SP2-external

#### **Curriculum Major**

Select as a Major one of the following units:

EDN413 English and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN418 Society and Environment Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN417 Science and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN414 Mathematics and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN415 Media and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN412 Drama and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

#### **Curriculum Minor**

Students may select as a Minor one of the following units which is different from their Major area and for which they have the prerequisites:

EDN313 English and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN318 Society and Environment Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN317 Science and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN314 Mathematics and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

EDN316 Second/Foreign Languages and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

EDN315 Media and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

EDN312 Drama and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external

Students who do not have enough content background to select one of the above Minors can elect to enrol in EDN334 Inclusive Education -- 4 pts in lieu of EDN3341 Inclusive Education -- 2 pts, or THE2461 Teaching Religion in Schools -- 2 pts, or substitute with one of the units below.

Students may use some of their Specified Elective points to replace their Minor with a second Major, provided they have the required background. Please seek advice from the Academic Chair (Secondary).

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

### Specified Electives - 4 credit points

Select one unit from the following:

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

MCC321 Children and the Media -- 4 pts  
Murdoch: S2-internal

EDU450 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDU404 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDN398 Science Communication -- 4 pts  
Murdoch: S1-internal, S1-external

EDN214 Thinking Mathematically -- 4 pts  
Murdoch: S2-internal, S2-external

SOC222 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

THE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-external

EDU445 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EGL213 Children's Theatre -- 4 pts  
Murdoch: S1-internal

EDN263 Aboriginal Perspectives Across the Curriculum -- 4 pts  
Murdoch: S1-internal

EDU446 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

EDU427 Development and Education -- 4 pts  
Murdoch: S1-external

EDU458 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU440 Facilitating Lifelong Learning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

EDU424 Critical Pedagogy: Gender, Race and Social Class in Education -- 4 pts  
Murdoch: SUM-internal

EDN322 Integrated Early Childhood Curriculum -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDU417 Learning and Teaching with ICT -- 4 pts  
Murdoch: S2-external

EDU471 Mentoring -- 4 pts  
Murdoch: S2-external

EDU475 Opportunities with e-learning -- 4 pts  
Murdoch: W2-internal

EDU444 Tertiary and Adult Education Policy -- 6 pts  
Murdoch: S2-internal, S2-external

EDN320 Principles and Practices in Early Childhood Education -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

EDU464 Reading through Multiliteracies -- 4 pts  
Murdoch: S2-external

EDU461 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external

EDU447 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

EDU403 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU420 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

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## GRADUATE DIPLOMA IN EDUCATION STUDIES

### School of Education

Graduate Diploma in Education Studies (GradDipEdSt)

Course Codes: G1026

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal) (only some units available internally for specialisations in Early Childhood Education, Inclusive Education, Teaching English as a Second Language, and Teaching Languages Other Than English)
- Murdoch campus (external) (all but one unit available externally for the specialisation in Media Education)

The Graduate Diploma in Education Studies is a graduate-entry qualification, available to graduates in any field.

The qualification is aimed at the needs of the following:

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

- \* teachers who want to deepen their expertise in particular aspects of Education, or develop new areas of specialisation;
- \* three-year qualified teachers who wish to become four-year qualified;
- \* graduates in any field who wish to develop some educational background.

Please note that this course does not provide an initial teaching qualification.

The course allows for flexible content depending on student needs. The structure combines Education Studies and Specialist Studies usually (but not necessarily) in a non-Education field. Students may choose from the following nine established specialisations -- in which case they must follow the requirements of that specialisation as set out below -- or construct a specialisation in a field other than those listed below.

A Teaching Qualification required: These specialisations are intended only for qualified teachers allowing them to broaden their teaching experience.

- \* Early Childhood Education
- \* Mathematics Education
- \* Media Education
- \* Inclusive Education
- \* Teaching English as a Second Language (TESL)
- \* Teaching Languages Other Than English (LOTE)

A completed undergraduate degree required (not necessarily a teaching degree).

- \* Australian Indigenous Education
- \* Environmental Education
- \* Theology and Education
- \* Other specialisation (in field other than those above)

When constructing a specialisation of their own (which must be in a field other than those above) students should choose a coherent set of Specialist Studies units of 12 points (such as History, Philosophy, Computer Studies, Personal and Social Development, etc.), and 12 points of complementary Education Studies units. Alternatively, students may select a combination of Education units only that best suits their needs (such as adult learning and development; curriculum development and evaluation; educational leadership; gender and education; social and educational measurement; research methods; and English, mathematics, science, social studies, language education). No more than 6 points may be at Part I-level. These courses of study must be chosen in consultation with the Academic Chair and submitted with the application.

Where students already have a strong education background relevant to the specialisation, the Education component can be reduced to 8 points. Similarly where students already have considerable Specialist Study background they can reduce the Specialist Study to 8 points and increase the Education component to 16 points.

Students are required to complete at least 12 points at 400-level or above. Up to 8 points may be at 200/300-level. Up to 8 points could be accredited professional development programs. Credit for participants in a significant non-accredited professional development program or a school-based program may be attained after submission of a paper demonstrating that students have extended their understanding of an important aspect or issue arising from their participation. Students should consult the Academic Chair for details of this opportunity.

#### **Employment Prospects:**

This course is designed to meet the needs for professional development and renewal of professionals engaged in education in a range of settings. Please note that the Graduate Diploma in Education Studies does not provide an initial teaching qualification. For Initial Teacher Education see the Bachelor of Education or the Graduate Diploma in Education, both of which are available to graduates.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in any field. Some specialisations require a formal teaching qualification.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

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### **Australian Indigenous Education**

#### **Course Structure - 24 credit points**

##### **Education Studies - 12 credit points**

Select from the following:

EDN224 Education for Social Justice -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDU231 Schools in Context -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external  
Rockingham: S1-internal

EDU427 Development and Education -- 4 pts  
Murdoch: S1-external

##### **Australian Indigenous Studies - 12 credit points**

###### **Core Units - 4 credit points**

AIS281 Contemporary Indigenous Issues -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

###### **Specified Electives - 8 credit points**

Select from the following:

AIS205 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

AIS228 Our Mob: Indigenous Families -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

AIS338 Blacks and Whites: Aboriginal Colonised History -- 4 pts  
Murdoch: S2-internal, S2-external

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### **Early Childhood Education**

#### **Course Structure - 24 credit points**

**Education Studies - 16 credit points**

EDN320 Principles and Practices in Early Childhood Education -- 4 pts

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

EDN322 Integrated Early Childhood Curriculum -- 4 pts

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

EDU470 Professional and Action Learning Project -- 4 pts

Murdoch: S1-external, S2-external

EDN2191 Professional Experience: GradCertEdSt -- 4 pts

Murdoch: AU13-external, SP26-external

**Childhood Studies - 8 credit points**

Select from the following:

EDU425 Australian Indigenous Education -- 4 pts

Murdoch: S1-external, SB6-internal

EDN260 Learning through the Arts -- 4 pts

Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)

Rockingham: S1-internal

EDN334 Inclusive Education -- 4 pts

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

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**Environmental Education****Course Structure - 24 credit points****Education Studies - 12 credit points****Core Units - 4 credit points**

EDU450 Environmental Education for Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

EDU2401 Facilitating Lifelong Learning -- 4 pts

Murdoch: S1-internal, S1-external, S2-external

EDU488 Curriculum Development for Practitioners -- 4 pts

Murdoch: S1-internal, S1-external, Y-external

EDN398 Science Communication -- 4 pts

Murdoch: S1-internal, S1-external

Students who have already completed one of these units or its equivalent may obtain an exemption from the requirement and substitute units from those listed below.

SOC222 Social Research Methods -- 4 pts

Murdoch: S1-internal, S1-external

EDN224 Education for Social Justice -- 4 pts

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

EDU286 Primary Curriculum IV (Society and Environment, Science) -- 4 pts

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

EDN418 Society and Environment Curriculum (Secondary) -- 4 pts

Murdoch: UW2-internal, UW2-external

EDN318 Society and Environment Curriculum (Secondary) -- 2 pts

Murdoch: S1-internal, S1-external

EDN417 Science and the Curriculum (Secondary) -- 4 pts

Murdoch: UW2-internal, UW2-external

EDN317 Science and the Curriculum (Secondary) -- 2 pts

Murdoch: S1-internal, S1-external

STP418 Honours and Masters Research Seminar -- 4 pts

Murdoch: S1-internal, S1-external

EDU425 Australian Indigenous Education -- 4 pts

Murdoch: S1-external, SB6-internal

EDU427 Development and Education -- 4 pts

Murdoch: S1-external

Students with a strong and relevant background in Education may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case, students may reduce the minimum Education requirement to 8 points and substitute Environmental Science units from below. Applications for exemption should be referred directly to the Accreditation Officer.

**Environmental Studies - 12 credit points****Core Units - 4 credit points**

ENV212 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

Students who have already completed this unit or its equivalent may substitute units from the Specified Electives below. Note that some of these Electives have prerequisites which would need to be completed, but which could form part of the 12 points of Environmental Studies.

**Specified Electives - 8 credit points**

Select from the following:

ENV213 Atmospheric Science -- 4 pts

Murdoch: S1-internal, S1-external

ENV222 Pollutants and Toxicology -- 4 pts

Murdoch: S1-internal, S1-external

ENV281 Water and Earth Science -- 4 pts

Murdoch: S1-internal, S1-external

ENV228 Environmental Policy and Law -- 4 pts

Murdoch: S2-internal, S2-external

ENV279 Nature-Based Tourism -- 4 pts

Murdoch: S1-internal, S1-external

ENV311 Managing Wetlands and Water -- 4 pts

Murdoch: S2-internal, S2-external

ENV319 Environmental Management -- 4 pts

Murdoch: S2-internal, S2-external

STP206 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

STP212 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

POL285 Environmental Politics -- 4 pts

Murdoch: S1-internal, S1-external

STP220 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

Students with a strong background in Environmental Science may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case, students should substitute from the list of Education Studies units. Applications for exemptions should be directed to the Accreditation Officer.

**Mathematics Education**

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



**Course Structure - 24 credit points****Education Studies - 10 credit points**

EDN414 Mathematics and the Curriculum (Secondary) -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDU3161 School Experience: Secondary BEd -- 2 pts  
Murdoch: AU9-external

EDN214 Thinking Mathematically -- 4 pts  
Murdoch: S2-internal, S2-external Students who have successfully completed EDU162 Cultural Mathematics or EDU262 Cultural Mathematics or EDN114 Thinking Mathematically should consult the Academic Chair for alternative education units.

Students should complete all required Mathematics Studies units before enrolment in EDN414 Mathematics and the Curriculum (Secondary) -- 4 pts. Practising teachers may be able to arrange mathematics school experience in their own school. Students should contact the School Experience Office.

**Mathematics Studies - 14 credit points****Specified Electives - 14 credit points**

Select from each of the following Lists as instructed below.

Students with insufficient mathematics background for the Part I units below normally enrol in MAS164 Fundamentals of Mathematics -- 3 pts as an addition to the required 24 points of the major, however, in some circumstances this may be used as part of the 24 points. Where the student already has one of the Mathematics requirements, the Education component may increase to 12 points. Consult the Academic Chair.

**List 1**

Select one of the following:

MAS182 Applied Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS161 Calculus and Matrix Algebra -- 3 pts  
Murdoch: S2-internal, S2-external

MAS167 Computational Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**List 2**

Select one of the following:

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MAS183 Statistical Data Analysis -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**List 3**

Select two of the following:

MAS208 Mathematical Modelling -- 4 pts  
Murdoch: S2-internal, S2-external

MAS230 Biostatistical Methods -- 4 pts  
Murdoch: S2-internal, S2-external

MAS284 Applied Statistics and Process Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Media Education****Course Structure - 24 credit points****Education Studies - 12 credit points****Core Units - 4 credit points**

EDN415 Media and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

**Specified Electives - 8 credit points**

Select from the following:

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

EDU417 Learning and Teaching with ICT -- 4 pts  
Murdoch: S2-external

**Media Studies - 12 credit points****Core Units - 4 credit points**

MCC321 Children and the Media -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 8 credit points**

Note that if one of the 3-point electives is chosen, it will be necessary to complete the Diploma with more than 24 points. In this case, one of the Education electives may be selected in order to form at least 24 points.

Select from the following:

ICT108 Introduction to Multimedia and the Internet -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

MCC116 Introduction to the Screen -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MCC231 Narrating the Nation: Media, Identity, Culture -- 4 pts  
NA 2011

MCC337 Cultural and Media Policy -- 4 pts  
Murdoch: S1-internal, S1-external

MCC333 Documentary -- 4 pts  
Murdoch: S1-internal

MCC358 Issues in Screen Analysis -- 4 pts  
NA 2011

MCC248 Screen Texts -- 4 pts  
Murdoch: S2-internal, S2-external

**Inclusive Education****Course Structure - 24 credit points****Education Studies - 12 credit points****Core Units - 8 credit points**

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

EDN2191 Professional Experience: GradCertEdSt -- 4 pts  
Murdoch: AU13-external, SP26-external

The Western Australian Department of Education and Training requires six weeks of school experience to be undertaken in an education support setting.

**Specified Electives - 4 credit points**

Select from the following:

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

EDN260 Learning through the Arts -- 4 pts  
Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)  
Rockingham: S1-internal

EDN415 Media and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDN315 Media and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

EDN316 Second/Foreign Languages and the Curriculum -- 2 pts  
Murdoch: S1-internal, S1-external

THE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-external

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

**Inclusive Education Studies - 12 credit points****Core Units - 12 credit points**

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN422 Creating Effective Learning Environments -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDN423 Literacies and Numeracy for Inclusive Education -- 4 pts  
NA 2011

**Teaching English as a Second Language (TESL)****Course Structure - 24 credit points****Education Studies - 16 credit points**

EDU446 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU404 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDN516 Second/Foreign Languages and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external  
This unit should be completed in the final semester of the course.

**English Studies - 8 credit points**

Students for whom English is a second or subsequent language should select 8 points of units from the English and Creative Writing or Gender and Cultural Studies majors with no more than 6 points at 100-level.

Students for whom English is their first language may substitute Education units listed in the 'Availability of 400/600/700 level units in Education' chart which is provided on the School of Education web site at:  
<http://www.education.murdoch.edu.au/curriculum/units>

Recommended:

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

**Teaching Languages Other Than English**

Enrolment is not conditional upon language competence but completion of two years' tertiary study of a second language other than English, or the equivalent, is normally required prior to enrolment in EDN516 Second/Foreign Languages and the Curriculum -- 4 pts.

Students should note that EDU470 Professional and Action Learning Project -- 4 pts is to be completed in the final semester of the course.

**Course Structure - 24 credit points****Education Studies - 12 credit points****Core Units - 8 credit points**

EDN516 Second/Foreign Languages and the Curriculum -- 4 pts  
Murdoch: UW2-internal, UW2-external

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

**Specified Electives - 4 credit points**

Select from the following:

EDU404 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDU446 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU425 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

**Language Studies - 12 credit points**

Select at least 12 points of language study from one of the following language lists. Language units may be undertaken directly through the University (select from the list below), or through an approved study abroad program (for example, the Council on International Educational Exchange). Students who include study abroad will have 12 points credited towards their Graduate Diploma in Education Studies, of which 4 points may be used to replace the four-point Education elective.

**Specified Electives - 12 credit points****Indonesian**

IND161 Indonesian 1A -- 3 pts  
Murdoch: S1-internal, S1-external

IND162 Indonesian 1B -- 3 pts  
Murdoch: S2-internal, S2-external

IND261 Indonesian 2A -- 4 pts  
Murdoch: S1-internal, S1-external

IND262 Indonesian 2B -- 4 pts  
Murdoch: S2-internal, S2-external

IND361 Indonesian 3A -- 4 pts  
Murdoch: S1-internal, S1-external

IND362 Indonesian 3B -- 4 pts  
Murdoch: S2-internal, S2-external

IND243/IND343 Semester in Indonesia -- 12 pts  
Murdoch: S1-internal, S2-internal

IND452 Indonesian Language Project -- 4 pts  
NA 2011

**Japanese**

JPN171 Japanese IA -- 3 pts  
Murdoch: S1-internal

JPN172 Japanese IB -- 6 pts  
Murdoch: S2-internal

JPN204 Japanese IIA -- 4 pts  
Murdoch: S1-internal

JPN205 Japanese IIB -- 4 pts  
Murdoch: S2-internal

JPN363 Japanese IIIA -- 4 pts  
Murdoch: S1-internal

JPN364 Japanese IIIB -- 4 pts  
Murdoch: S2-internal

JPN243/JPN343 Semester in Japan -- 12 pts  
Murdoch: S1-internal, S2-internal

JPN452 Japanese Language Project -- 4 pts  
NA 2011

**European Languages**

Students wishing to reach Part II-level proficiency in a European language and meet prerequisite requirements for enrolment in the unit EDN516 Second/Foreign Languages and the Curriculum -- 4 pts must negotiate cross-institutional enrolment through the Academic Chair.

Students with a strong language background may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case students should substitute units from the list of Education Studies electives above. Applications for exemptions should be directed to the Accreditation Officer.

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**Theology and Education****Course Structure - 24 credit points****Education Studies - 12 credit points****Core Units - 4 credit points**

THE246 Teaching Religion in Schools -- 4 pts  
Murdoch: S2-internal, S2-external

OR

THE276 Education in a Faith Community -- 4 pts  
NA 2011

**Specified Electives - 8 credit points**

Select from the following:

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

EDU2401 Facilitating Lifelong Learning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

EDU4441 Tertiary and Adult Education Policy -- 4 pts  
Murdoch: S2-internal, S2-external

EDU427 Development and Education -- 4 pts  
Murdoch: S1-external

**Theology Studies - 12 credit points****Core Units - 12 credit points**

Select from the following:

THE267 Christian Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

THE245 Pastoral Care -- 4 pts  
NA 2011

THE288 Worship and Liturgy -- 4 pts  
NA 2011

THE280 Science and Religion -- 4 pts  
Murdoch: S2-internal, S2-external

THE283 Health and Religion -- 4 pts  
NA 2011

THE281 Hermeneutics -- 4 pts  
Murdoch: S1-internal, S1-external

THE282 World Religions -- 4 pts  
Murdoch: S2-internal, S2-external

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**MASTER OF EDUCATION (COURSEWORK)****School of Education**

Master of Education (MEd)

Course Codes: M1031

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)
- Kaplan Higher Education Institute (Singapore) ['KAPLAN-SGP'] (internal) (by formal agreement) (language of instruction: English)

This is a one-year coursework degree designed to provide the education profession and the community in general with leaders capable of addressing critical issues in educational practice, policy and research. It is designed for: teachers, educational administrators, and other education professionals who seek to extend and deepen their expertise in Education; professionals carrying out educational duties in other relevant fields who seek professional development and renewal; and those planning to proceed to higher degrees.

Students undertake a project of 4 points and 20 points of coursework: a total of 6 units including the project. This is a coursework-classified course and it can be completed totally externally. Students who have successfully completed 12 points may exit with the intermediate degree of Postgraduate Certificate in Education (Specialisations) or Postgraduate Certificate in Gifted and Talented Education, depending on the units undertaken.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, and a graduate-entry course in Education requiring at least one year of full-time study, or part-time equivalent,  
OR a recognised Bachelor of Education or higher, or equivalent training, requiring at least four years of full-time study, or part-time equivalent,  
OR individual applications to be considered on a case-by-case basis.

Applicants with a three-year Bachelor of Arts in Education may be accepted. Applicants will need to demonstrate that experience gained in the BA and any subsequent studies and or professional experience has provided them with the knowledge and skills to undertake the Master of Education.

Participants may apply for credit for professional workplace learning or work completed through accredited professional development courses or continuing education. Credit may also be

granted for Masters-level units completed in other courses at Murdoch or at other higher education institutions.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.0.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Admission Requirements (Offshore):**

Recognised Bachelor's degree or higher, or equivalent training, and a graduate-entry course in Education requiring at least one year of full-time study, or part-time equivalent,  
OR a recognised Bachelor of Education or higher, or equivalent training, requiring at least four years of full-time study, or part-time equivalent,  
OR individual applications to be considered on a case-by-case basis.

Applicants with a three-year Bachelor of Arts in Education may be accepted. Applicants will need to demonstrate that experience gained in the BA and any subsequent studies and or professional experience has provided them with the knowledge and skills to undertake the Master of Education.

Participants may apply for credit for professional workplace learning or work completed through accredited professional development courses or continuing education. Credit may also be granted for Masters-level units completed in other courses at Murdoch or at other higher education institutions.

International students demonstrating English competence via IELTS need a score of 6.5, with no individual band less than 6.0.

#### **Articulation:**

The Postgraduate Certificate in Education (Specialisations), the Postgraduate Certificate in Gifted and Talented Education or the Postgraduate Certificate in International Education in Schools, form an intermediate award in the Master of Education (Coursework). On completion of the Master of Education (Coursework) students are eligible for both the Postgraduate Certificate and the Master of Education (Coursework) subject to the Postgraduate Certificate being satisfied.

#### **Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

#### **Course Structure - 24 credit points**

Students may select no more than 8 points at 400 level.

#### **Core Units - 8 credit points**

##### **Project Units**

EDU600 Education Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T3A-internal

Students should normally complete the Master of Education Project during their final semester of enrolment.

##### **Research Methods Units**

Select one Research Methods unit from the list below, in consultation with the Academic Chair. (Students who already have a background in research methods should inform the Academic Chair.)

EDU603 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: TD3-internal  
KAPLAN-SGP: T1A-internal

EDU643 Qualitative Approaches to Research -- 4 pts  
Murdoch: S2-internal, S2-external

EDU639 Quantitative Approaches to Research -- 4 pts  
Murdoch: S2-external

#### **Specified Electives - 16 credit points**

Select from the following units, in consultation with the Academic Chair (these could include additional Research Methods units (marked \*)).

EDU645 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU625 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDU647 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

EDU661 Connecting to Students' Lives -- 4 pts  
Murdoch: S1-external

EDU620 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

EDU626 Contemporary Issues in Gifted and Talented Education -- 4 pts  
Murdoch: AU5-internal

EDU612 Critical Perspectives in Early Childhood Education -- 4 pts  
Murdoch: S2-external

EDU646 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

EDU688 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T1A-internal

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

EDU655 Educational Planning and Management -- 4 pts  
Murdoch: S1-external

EDU658 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU629 Education Provision for Gifted and Talented Students -- 4 pts  
Murdoch: SP23-internal

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD2-internal  
KAPLAN-SGP: T3A-internal

EDU440 Facilitating Lifelong Learning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

EDU609 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts  
Murdoch: S2-external

EDU604 Issues in Language Education -- 4 pts  
Murdoch: S1-external, S2-external

EDU617 Learning and Teaching with ICT -- 4 pts

Murdoch: S2-external  
DUBAI-ISC: TD1-internal  
KAPLAN-SGP: T2A-internal

EDU671 Mentoring -- 4 pts

Murdoch: S2-external  
DUBAI-ISC: TD1-internal

EDU675 Opportunities with e-learning -- 4 pts

Murdoch: W2-internal

EDU670 Professional and Action Learning Project -- 4 pts

Murdoch: S1-external, S2-external

EDU618 Professional Development Portfolio -- 4 pts

Murdoch: S1-external, S2-external, W3-internal

\*EDU637 Program Evaluation -- 4 pts

Murdoch: S1-external

EDU664 Reading through Multiliteracies -- 4 pts

Murdoch: S2-external

EDU698 Science Communication -- 4 pts

Murdoch: S1-internal, S1-external

EDN516 Second/Foreign Languages and the Curriculum -- 4 pts

Murdoch: UW2-internal, UW2-external

EDU613 International Education: Issues and Practices in Schools -- 4 pts

Murdoch: SB6-internal, W3-internal  
DUBAI-ISC: TD3-internal  
KAPLAN-SGP: T2A-internal

EDU644 Tertiary and Adult Education Policy -- 4 pts

Murdoch: S2-internal, S2-external

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## MASTER OF EDUCATION (RESEARCH)

### School of Education

Master of Education (MEd)

Course Codes: M1168

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This is an 18 month research degree designed to provide the education profession and the community in general with leaders capable of addressing critical issues in educational practice, policy and research. It is designed for:

teachers, educational administrators, and other education professionals who seek to extend and deepen their expertise in Education;

professionals carrying out educational duties in other relevant fields who seek professional development and renewal; and

those planning to proceed to higher degrees.

Students undertake a research dissertation (24 points) and 12 points of coursework. This is a research-classified course.

#### Admission Requirements (Onshore):

A Bachelor of Education degree, or equivalent, requiring at least four years of equivalent full-time study; or a Bachelor's degree requiring at least three years of equivalent full-time study and have successfully completed a graduate course

in education requiring at least one year of equivalent full-time study.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure - 36 credit points

On completion of 12 points of elective coursework enrolment, a student must normally enrol in a minimum of 4 points per semester of dissertation as a part-time student or 12 points per semester as a full-time student.

For details about enrolling in specific units and the dissertation, students must consult their supervisor. All students enrolling in the Master of Education (Research) will be required to complete a Postgraduate Program of Study (thesis plan) by the end of enrolment in the first 4 points of EDU900 Research in Education (Research Dissertation). This plan will be submitted through the School of Education's Research and Teaching Assistant, to the Research and Development Board for approval.

### Core Units - 24 credit points

EDU900 Research in Education (Research Dissertation) -- 24 pts

### Specified Electives - 12 credit points

Select from the units below. The units should be directly related to the student's dissertation and chosen in consultation with a prospective supervisor and/or the Academic Chair. At least one unit must be a Research Methods unit.

#### Research Methods Units - at least 4 credit points

EDU603 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU639 Quantitative Approaches to Research -- 4 pts  
Murdoch: S2-external

EDU643 Qualitative Approaches to Research -- 4 pts  
Murdoch: S2-internal, S2-external

#### Other Specified Electives - up to 8 credit points

EDU645 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU625 Australian Indigenous Education -- 4 pts  
Murdoch: S1-external, SB6-internal

EDU647 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

EDU620 Curriculum Leadership, Inquiry and Stimulating Conversations -- 4 pts  
Murdoch: S2-external

EDU626 Contemporary Issues in Gifted and Talented Education -- 4 pts  
Murdoch: AU5-internal

EDU612 Critical Perspectives in Early Childhood Education -- 4 pts  
Murdoch: S2-external

EDU655 Educational Planning and Management -- 4 pts  
Murdoch: S1-external

EDU658 Education Policy and Teachers' Work -- 4 pts  
Murdoch: S2-external

EDU629 Education Provision for Gifted and Talented Students -- 4 pts  
Murdoch: SP23-internal

EDU650 Environmental Education for Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

EDU609 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts

Murdoch: S2-external

EDU604 Issues in Language Education -- 4 pts

Murdoch: S1-external, S2-external

EDU617 Learning and Teaching with ICT -- 4 pts

Murdoch: S2-external

EDU671 Mentoring -- 4 pts

Murdoch: S2-external

EDU675 Opportunities with e-learning -- 4 pts

Murdoch: W2-internal

EDU644 Tertiary and Adult Education Policy -- 4 pts

Murdoch: S2-internal, S2-external

EDU670 Professional and Action Learning Project -- 4 pts

Murdoch: S1-external, S2-external

EDU637 Program Evaluation -- 4 pts

Murdoch: S1-external

EDU664 Reading through Multiliteracies -- 4 pts

Murdoch: S2-external

EDU661 Connecting to Students' Lives -- 4 pts

Murdoch: S1-external

EDU698 Science Communication -- 4 pts

Murdoch: S1-internal, S1-external

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## DOCTOR OF EDUCATION

### School of Education

Doctor of Education (EdD)

Course Codes: D1017

Restriction: All postgraduate courses are subject to restriction

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

The Doctor of Education is an intensive course of study leading to the professional doctorate degree in Education. It consists of coursework and applied research leading to a dissertation.

The purpose of the degree is to provide advanced level study in Education at a high degree of specialisation through applied research in a selected area of practice. On entry to the EdD, each candidate will be assigned a supervisor who will assist in the development of an approved plan of study appropriate to the intended specialisation. For this course, on-campus meetings are available at the supervisor's discretion.

#### Employment Prospects:

Graduates are qualified to obtain high-level professional positions in a range of locations in the broad Education industry.

#### Admission Requirements (Onshore):

Advanced academic study, research preparation and professional experience are required for admission to the course. The entry requirements are the equivalent of a Bachelor of Education (or other relevant degree) with honours from a recognised university and at least two years of relevant professional experience.

Students who have a Master of Education degree by coursework or research will be considered on a case-by-case basis for credit.

Students with a Master of Education by coursework degree may be asked to complete a small project as part of the first year of the Education Doctorate. At most students may be granted 16 points of credit; those who have a part-completed MEd will also be considered on a case-by-case basis and may be awarded credit on a pro rata basis, provided these studies were undertaken within the last 10 years. Despite the amount of credit which may be awarded for previous studies, students may be requested to enrol in up to 16 points of coursework at the 600-level, which their supervisor or the student considers to be advantageous either for professional development or for the completion of the dissertation. To count as credit towards the EdD, a student must normally pass the units at Credit level or above.

Candidates who do not meet the admission requirements may be offered a place in a preliminary course designed to prepare them for admission to the doctoral course. The specific studies to be completed within a preliminary course would be determined in each case by the School's Research and Postgraduate Studies Committee.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Main Research Areas:

Educational Policy and Leadership, Curriculum Studies, Educational Psychology, and Assessment and Evaluation.

## Course Structure

### Core Units - 56 credit points

EDU701 Advanced Educational Research Seminar -- 8 pts

Murdoch: Y-internal

This unit should normally be taken during the third year of enrolment if full-time or the equivalent if studying part-time.

EDU900 Research in Education (Research Dissertation) -- 12 pts  
Full-time students should enrol in the thesis for 12 points for each of four semesters and part-time students for 6 points for each of eight semesters, or until submission of the thesis.

### Specified Electives - 16 credit points

In consultation with their supervisor, students select units so as to develop knowledge in the appropriate substantive area and to strengthen research methodology knowledge and skills in preparation for undertaking the thesis project. Two of the units selected must be Research Methods units, if not already completed. In addition, a candidate may be permitted to take up to 8 points by Independent Study at 600-level or by undertaking units at another institution.

Units at 600-level are listed in the chart titled 'Availability of 400/600/700-level units in Education' which is provided on the School of Education web site at:  
<http://www.education.murdoch.edu.au/curriculum/units>

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## EMPLOYMENT RELATIONS

### POSTGRADUATE CERTIFICATE IN EMPLOYEE RELATIONS MANAGEMENT

#### Murdoch Business School

Course Codes: C1093

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This coursework qualification in Employee Relations Management provides candidates with knowledge and skills to engage in selective employee relations functions including collective bargaining, workplace dispute management, occupational health and safety practice, and legal aspects of human resource management.

**Employment Prospects:**

Career prospects are promising for employee relations practitioners, ranging from specialist employee relations roles in small and large organisations to consultancy and advocacy roles.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Further Study:**

Graduates may continue their study to gain the Postgraduate Diploma in Human Resource Management.

**Course Structure - 12 credit points****Core Units - 8 credit points**

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the following:

MBS618 Dispute Management -- 4 pts  
Murdoch: AU5-internal, AU5-external

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

MBS624 Comparative Employee Relations -- 4 pts  
Murdoch: S2-internal, S2-external

**POSTGRADUATE DIPLOMA IN EMPLOYEE RELATIONS MANAGEMENT****Murdoch Business School**

Course Codes: P1066

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This coursework qualification in Employee Relations Management provides candidates with knowledge and skills to engage in collective bargaining processes, workplace dispute management, occupational health and safety practice, and legal aspects of human resource management. Coursework includes comparative study of employee relations systems.

**Employment Prospects:**

Career prospects are outstanding for employee relations practitioners, ranging from specialist employee relations roles in small and large organisations to consultancy and advocacy roles.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Further Study:**

Graduates may continue their study to gain the Master of Human Resource Management.

**Course Structure - 24 credit points****Core Units - 24 credit points**

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

MBS624 Comparative Employee Relations -- 4 pts  
Murdoch: S2-internal, S2-external

MBS618 Dispute Management -- 4 pts  
Murdoch: AU5-internal, AU5-external

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

**ENERGY AND THE ENVIRONMENT****See also:**

Energy Studies  
Environmental Science

**POSTGRADUATE DIPLOMA IN ENERGY AND THE ENVIRONMENT****School of Engineering and Energy**

Postgraduate Diploma in Energy and the Environment (PgDipEnEnv)

Course Codes: P1030

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This diploma is intended to provide postgraduate training for Australian and international professionals working, or wishing to work, in the field of environmental management of the energy industry. The course is interdisciplinary in nature, consisting of units drawn from the areas of energy studies and environmental impact assessment. The objective of the course is to provide students with an understanding of the policy context of energy systems, the environmental impacts associated with these systems, and their assessment and subsequent monitoring. The course will be relevant to consultants wishing to practice in this field and to people employed by various private and public organisations that are active in the energy and environment area. It contains a specialisation in Climate Science and Global Warming which is

directed towards addressing the impacts of global warming and the development of mitigation and adaptation methods.

The Postgraduate Diploma in Energy and the Environment is directed to the interface between energy studies and environmental impact assessment and assumes some prior knowledge. Students can complete the course with a focus upon the policy and/or the scientific aspects of the environmental management of the energy industry.

**Employment Prospects:**

Graduates can expect to gain employment in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or professional experience in a related area.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

This course is available to external students anywhere in the world who wish to study off campus by using printed and Internet facilities. Assistance is provided by tutors, using telephone, email, or the Internet. When studied in the external mode, some attendance may be required for some Environmental Science units.

**Main Research Areas:**

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, energy policy and economics, environmental impact assessment.

**Further Study:**

Upon completing this course students can apply to enter the Master of Science in Environmental Science or Master of Science in Renewable Energy to continue with more specialised studies.

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**Energy, Environment and Sustainability Specialisation**

**Course Structure - 24 credit points**

**Core Units - 4 credit points**

PEC592 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

**Specified Electives - 20 credit points**

Select 8 points from the Energy Studies electives and 8 points from the Environmental Science electives. The remaining 4 points may be selected from either list.

**Energy Studies Electives**

PEC594 Energy Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC590 Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC593 Energy Economics -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC670 Energy Efficient Buildings -- 4 pts  
Murdoch: S1-internal, S1-external

PEC587 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC596 Energy Studies Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external  
(this unit is usually taken in the last semester)

PEC627 Advanced Energy Policy: Electricity Market Reform -- 4 pts  
Murdoch: S2-internal, S2-external

PEC611 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

**Environmental Science Electives**

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

ENV513 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV522 Environmental Assessment and Management -- 4 pts  
Murdoch: S1-internal, S1-external

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**Global Warming and Climate Science Specialisation**

**Course Structure - 24 credit points**

**Core Units - 20 credit points**

PEC592 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

**Energy Studies Units - 8 credit points**

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

**Environmental Science Units - 8 credit points**

ENV513 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV614 Earth System Science -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the Energy Studies or Environmental Science electives in the Energy, Environment and Sustainability Specialisation.



## ENERGY STUDIES

### POSTGRADUATE CERTIFICATE IN ENERGY STUDIES

#### School of Engineering and Energy

Postgraduate Certificate in Energy Studies (PgCertEnSt)

Course Codes: C1008

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

#### Availability:

- International Online ['INT-ONLINE'] (external) (International offshore students only)
- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Certificate in Energy Studies is designed to cater for graduates of any discipline who wish to acquire knowledge and skills in the areas of energy management, built environment, energy systems or energy policy.

\* A specialisation in energy systems will assist or enhance their work in areas such as energy management, the design of small to medium size energy systems and renewable energy research.

\* A specialisation in energy policy will assist or enhance their work in areas such as energy policy and planning, energy economics and renewable energy research.

\* A specialisation in energy management or built environment will be applicable to careers in energy efficiency in industry or the commercial sector.

#### Employment Prospects:

Graduates can expect to gain employment in power utilities, renewable energy manufacturing and installation companies, international aid organisations, Government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

This course is available to external students anywhere in the world who wish to study off campus using printed or Internet materials. Assistance is provided by tutors by telephone, letter email or the Internet. External students usually study part-time, completing the certificate over one year or more.

#### Main Research Areas:

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, energy policy and economics.

#### Course Structure - 12 credit points

#### Core Units - 12 credit points

Select from the following units.

Recommended:

PEC592 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

#### Energy Management

PEC594 Energy Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC625 Energy Efficiency, System Analysis and Auditing -- 4 pts  
Murdoch: S2-external, Y-external

PEC626 Industrial and Commercial Energy Efficiency Technologies -- 4 pts  
Murdoch: S2-external, Y-external

#### Energy Systems

PEC590 Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC587 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC621 Renewable Energy Devices -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC622 Renewable Energy Resources -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC623 Renewable Energy Systems Design -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC620 Case Studies of Renewable Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

#### Energy Policy

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC593 Energy Economics -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC627 Advanced Energy Policy: Electricity Market Reform -- 4 pts  
Murdoch: S2-internal, S2-external

#### Built Environment

PEC611 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC670 Energy Efficient Buildings -- 4 pts  
Murdoch: S1-internal, S1-external

PEC671 Solar Architecture and Health in Buildings -- 4 pts  
Murdoch: S2-internal, S2-external

PEC672 Climate Sensible Home Design -- 4 pts  
Murdoch: S2-internal, S2-external

PEC674 Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external

PEC675 Environmental Building Services -- 4 pts  
Murdoch: S2-internal, S2-external

### POSTGRADUATE DIPLOMA IN ENERGY STUDIES

**School of Engineering and Energy**

Postgraduate Diploma in Energy Studies (PgDipEnSt)

Course Codes: P1000

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- International Online ['INT-ONLINE'] (external) (International offshore students only)
- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Diploma in Energy Studies is intended to provide graduates with a one-year course of study that covers the core areas of Energy Studies. These skills may assist or enhance graduates work in areas such as energy policy, energy economics, energy management and efficiency, sustainable energy systems design and planning, the environmental impact of energy systems and their use, as well as renewable energy research. It offers the opportunity to explore an area in depth via a short research project.

**Employment Prospects:**

Graduates can expect to gain employment in this rapidly growing area in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, Government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in a related area. Students with alternative, satisfactory preparation may also be admitted.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Using printed and Internet facilities, students may complete this degree without needing to attend campus. Assistance is provided by tutors who correspond with students by telephone, email or the Internet.

**Main Research Areas:**

Energy systems, energy management, photovoltaics.

**Entry from Postgraduate Certificate in Energy Studies:**

Students who have completed the Postgraduate Certificate in Energy Studies and enrol in this course will be given credit for those units from the Postgraduate Diploma that have already been completed and will only be required to complete the remaining points of required units for the Postgraduate Diploma.

**Course Structure - 24 credit points****Core Units - 20 credit points**

PEC592 Energy in Society -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC594 Energy Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external, Y-external

PEC590 Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC593 Energy Economics -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

**Specified Electives - 4 credit points**

Select from the following:

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC587 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC611 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC670 Energy Efficient Buildings -- 4 pts  
Murdoch: S1-internal, S1-external

PEC625 Energy Efficiency, System Analysis and Auditing -- 4 pts  
Murdoch: S2-external, Y-external

PEC596 Energy Studies Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external  
(this unit is usually taken in the last semester of the Diploma)

If one or more of the required units, or equivalents, have already been completed, or with permission from the Academic Chair, students may select electives from other related 500-level units offered elsewhere in the University.

**MASTER OF SCIENCE IN RENEWABLE ENERGY****School of Engineering and Energy**

Master of Science (MSc) in Renewable Energy

Course Codes: M1155

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- International Online ['INT-ONLINE'] (external) (International offshore students only)
- Murdoch campus (internal)
- Murdoch campus (external)

This course offers advanced training in the area of renewable energy systems, sustainable energy policy or energy efficiency. It is the second year of a two-year program of study, the first year of which is the Postgraduate Diploma in Energy Studies or the Postgraduate Diploma in Energy and the Environment.

The renewable energy systems area of study is designed to provide graduates with specific training in advanced areas of renewable energy technology. The emphasis is on the design, analysis and implementation of energy systems, with particular emphasis on renewable energy systems. The renewable energy policy area of study is designed to provide graduates with training in advanced areas of renewable energy technology and policy. The emphasis is on policy analysis, market reforms and greenhouse accounting. The energy efficiency area of study, offered in conjunction with Massey University, is designed to provide graduates with training in advanced areas of energy management and energy efficiency, with particular emphasis on systems analysis and auditing and industrial and commercial technology.

The objectives of the course are:

- \* to provide a thorough training in the principles of sustainable

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

energy systems;

\* to introduce students to the practical aspects of renewable energy systems design, monitoring and development (renewable energy systems area of study);

\* to train engineers, scientists, environmental scientists and policy analysts to participate in the development of the renewable energy and energy efficiency industries in Australia and overseas;

\* to address the social, economic and environmental issues involved with sustainable energy systems.

**Employment Prospects:**

Graduates can expect to gain employment in power generation companies, renewable energy manufacturing and installation companies, international aid organisations, government departments, energy efficiency and environmental consultancies, university and private industry research organisations.

**Admission Requirements (Onshore):**

Recognised Honours degree or higher, or equivalent training, in Sustainable Energy Management or Renewable Energy Engineering, or Postgraduate Diploma in Energy Studies, or a Postgraduate Diploma in Energy and the Environment, or satisfactory preparation through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Admission Requirements (Offshore):**

Recognised Honours degree or higher, or equivalent training, in Sustainable Energy Management or Renewable Energy Engineering, or Postgraduate Diploma in Energy Studies, or a Postgraduate Diploma in Energy and the Environment, or satisfactory preparation through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

**Special Requirements:**

This course is available to external students anywhere in the world who wish to study off campus by using printed and Internet facilities. Assistance is provided by tutors who correspond with students by telephone, email or the Internet.

**Main Research Areas:**

Renewable energy, remote area power supply systems, components and monitoring, energy management, solar cells, energy policy and economics.

**Articulation:**

This course articulates with the Postgraduate Diploma and Postgraduate Certificate in Energy Studies and the Bachelor of Science with Honours in Sustainable Energy Management. Direct entry from the Postgraduate Diploma in Energy and the Environment is also possible.

**Course Structure - 24 credit points**

**Core Units - 12 credit points**

PEC620 Case Studies of Renewable Energy Systems -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC624 Renewable Energy Dissertation -- 8 pts  
Murdoch: H-internal, H-external, Y-internal, Y-external

**Specified Electives - 12 credit points**

Select from any of the units listed below or from a single area as indicated. At least one 600-level unit must be selected in order to fulfil the minimum requirements of 16 points at 600-level for the MSc.

Student who wish to complete other appropriate elective units from those available at the University may do so with the permission of the Academic Chair. Online students may be more restricted in the electives they can take.

**Renewable Energy Systems**

PEC622 Renewable Energy Resources -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC621 Renewable Energy Devices -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC623 Renewable Energy Systems Design -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC587 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

**Renewable Energy Policy**

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

PEC587 Renewable Energy and Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC627 Advanced Energy Policy: Electricity Market Reform -- 4 pts  
Murdoch: S2-internal, S2-external

PEC611 Greenhouse Accounting and Life Cycle Assessment -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

PEC674 Innovation Management -- 4 pts  
Murdoch: S2-internal, S2-external

**Energy Efficiency**

PEC625 Energy Efficiency, System Analysis and Auditing -- 4 pts  
Murdoch: S2-external, Y-external

PEC626 Industrial and Commercial Energy Efficiency Technologies -- 4 pts  
Murdoch: S2-external, Y-external

PEC670 Energy Efficient Buildings -- 4 pts  
Murdoch: S1-internal, S1-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

PEC675 Environmental Building Services -- 4 pts  
Murdoch: S2-internal, S2-external

## ENGINEERING

### See also:

Energy Studies  
Environmental Architecture  
Environmental Science  
Extractive Metallurgy

## MASTER OF ENGINEERING

### School of Engineering and Energy

Master of Engineering (ME)

Course Codes: M1151

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)

The Master of Engineering is intended for practising professionals who are currently working in the specialised areas of Process Control and Instrumentation Systems in a wide range of manufacturing, processing and information technology industries, who wish to update their existing qualifications and/or enhance their skills in a range of modern technologies.

The ME offers a single specialisation in Instrumentation and Control Engineering.

### Employment Prospects:

This course is designed to maintain and/or further the needs of Continuing Professional Education of Engineers in the areas of instrumentation and control.

### Admission Requirements (Onshore):

Recognised Bachelor's degree in an area relevant to the specialisation available. Normally applicants will also possess an appropriate level of industrial experience. Applicants without the necessary qualifications and/or background will be required to study additional units as part of the course requirements.

English competence.

### Special Requirements:

Some units in this course are offered in a flexible delivery mode, allowing candidates to complete some of their studies at home or at their workplace.

### Professional Recognition:

This course can be used to meet the CPE requirements of practising Professional Engineers.

### Advanced Standing:

Students who have completed appropriate prerequisites may be awarded up to one year of advanced standing.

## Course Structure - 48 credit points

### Core Units - 48 credit points

#### Instrumentation and Control Engineering Specialisation

ENG615 Instrumentation and Control Engineering Masters Project -- 12 pts

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

ENG618 Modelling and Simulation of Industrial Processes -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG617 Advanced SCADA Systems -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG616 Advanced Control Systems -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG564 Industrial Instrumentation Technologies -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG502 Advanced Topics in Instrumentation and Control -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG508 Design Methodologies in Instrumentation and Control -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG512 Advanced Control Design -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG514 Industrial Signals and Systems -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

ENG501 PLC Applications -- 4 pts

Murdoch: S1-internal, S2-internal, SUM-internal

## ENVIRONMENTAL ARCHITECTURE

### See also:

Energy Studies

## MASTER OF SCIENCE IN ENVIRONMENTAL ARCHITECTURE

### School of Engineering and Energy

Master of Science in Environmental Architecture (MScEnvArch)

Course Codes: M1133

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This course is designed to provide graduate architects with a sound training in state of the art principles of environmental architecture taking into account the art, science, technology and philosophy of ecologically sustainable building design. The course teaches, in a holistic manner, the key aspects of both the art of architecture and the science of climatology and ecologically sustainable building technology. A dissertation/thesis provides the opportunity for students to develop and apply their skills to real architectural problems.

### Employment Prospects:

A global shortage of architects with the training to properly design imaginative solutions for ecologically sustainable buildings means employment prospects will be high for graduates from this course.

### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, in Architecture. Advanced standing (credits and exemptions) may be granted to students who have completed a four-year degree in a related field and who have already studied some aspects of the course. Exemptions (but not credits) may be granted to students with a three-year degree who have already completed some of these units in their undergraduate course.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Main Research Areas:

Thermodynamics in building, user responses, testing of innovations in technology, new planning concepts, rating systems, energy

efficient buildings and design, architectural theory.

### **Course Structure - 48 credit points**

#### **Core Units - 48 credit points**

##### **First Year - 24 credit points**

###### **Semester 1**

PEC670 Energy Efficient Buildings -- 4 pts

Murdoch: S1-internal, S1-external

PEC632 Greenhouse Science and Policy -- 4 pts

Murdoch: H-external, S1-internal, S1-external

STP645 Sustainable Urban Design -- 4 pts

NA 2011

(Students studying completely externally may take STP623 Cities and Sustainability -- 4 pts [Murdoch: S1-internal, S1-external] in place of this unit.)

###### **Semester 2**

ENV512 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

PEC672 Climate Sensible Home Design -- 4 pts

Murdoch: S2-internal, S2-external

PEC671 Solar Architecture and Health in Buildings -- 4 pts

Murdoch: S2-internal, S2-external

#### **Second Year - 24 credit points**

##### **Full Year**

PEC673 Environmental Architecture Dissertation -- 8 pts

Murdoch: Y-internal, Y-external

###### **Semester 1**

PEC593 Energy Economics -- 4 pts

Murdoch: H-external, S1-internal, S1-external

PEC594 Energy Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-external, Y-external

###### **Semester 2**

PEC674 Innovation Management -- 4 pts

Murdoch: S2-internal, S2-external

PEC675 Environmental Building Services -- 4 pts

Murdoch: S2-internal, S2-external

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## **ENVIRONMENTAL ASSESSMENT AND MANAGEMENT**

### **See also:**

Environmental Science

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## **POSTGRADUATE CERTIFICATE IN ENVIRONMENTAL ASSESSMENT AND MANAGEMENT**

### **School of Environmental Science**

Course Codes: C1090

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is designed to provide Australian and overseas

environmental professionals with an introductory understanding of the policies, procedures and techniques of environmental management through practically-oriented study. Environmental professionals are required to have a clear understanding of the various procedures and activities involved in environmental assessment and management. The course will be relevant to consultants and to people employed by private and public organisations that are active in environmental areas.

The course aims to provide a multidisciplinary education to further develop knowledge and understanding of selected principles and techniques employed in environmental management; it is structured with maximum flexibility to meet the needs of students.

### **Employment Prospects:**

This course will be relevant to consultants wishing to practice in this field, and to people employed by private and public organisations that are active in environmental areas.

### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, in environmental science or environmental management, or equivalent training. If the first degree is not related to this area of study then at least one year of relevant work/life experience is required.

Most of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### **Special Requirements:**

When studied in the external mode, some attendance is required.

### **Further Study:**

Students who have completed the Postgraduate Certificate and who are then admitted into the Postgraduate Diploma in Environmental Assessment and Management will be given 12 points credit for those units already completed, and will only be required to complete the remaining 12 points of the Postgraduate Diploma. Upon completing the Postgraduate Diploma in Environmental Assessment and Management students can apply to enter the Master of Science in Environmental Science.

### **Course Structure - 12 credit points**

University regulations require completion of units at 500-level or above.

#### **Core Units - 8 credit points**

Select from the following:

ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

ENV522 Environmental Assessment and Management -- 4 pts  
Murdoch: S1-internal, S1-external

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

ENV619 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the Core Units not already taken, and from the following:

ENV513 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV614 Earth System Science -- 4 pts  
Murdoch: S2-internal, S2-external

ENV624 Environmental Restoration -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

ENV610 Land Management -- 4 pts  
Murdoch: S1-internal, S1-external

ENV611 Managing Wetlands and Water -- 4 pts  
Murdoch: S2-internal, S2-external

BIO505 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

ENV560 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

ENV555 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external

ENV618 Sustainable Water Systems -- 4 pts  
Murdoch: S2-internal, S2-external

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## **POSTGRADUATE DIPLOMA IN ENVIRONMENTAL ASSESSMENT AND MANAGEMENT**

**School of Environmental Science**

Course Codes: P1064

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course is designed to provide Australian and overseas environmental professionals with an understanding of the policies, procedures and techniques of environmental assessment and management through practically-oriented study. Environmental professionals will be provided with a clear understanding of the various procedures and activities involved in environmental assessment and management.

The course aims to provide a multidisciplinary education to further develop knowledge and understanding of the principles and techniques employed in environmental management; it is

structured with maximum flexibility to meet the needs of students to specialise in particular areas of interest.

**Employment Prospects:**

This course will be relevant to consultants and to people employed or wishing to be employed by private and public organisations that are active in environmental areas.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, in Environmental Science or Environmental Management or equivalent training. If the first degree is not relevant, then at least one year of relevant work/life experience is required.

Most of the units assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

Graduates of the Bachelor of Environmental Science are not eligible for this course.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

When taken in the external mode, some attendance may be required depending on the units selected.

**Further Study:**

Students who have completed the Postgraduate Certificate in Environmental Assessment and Management and who are then admitted into the Postgraduate Diploma will be given 12 points credit for those units already completed, and will only be required to complete the remaining 12 points of the Postgraduate Diploma. Upon completing the Postgraduate Diploma students can apply to enter the Master of Science in Environmental Science.

**Course Structure - 24 credit points**

University regulations require completion of units at 500-level or higher for postgraduate diplomas.

**Core Units - 20 credit points**

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

ENV522 Environmental Assessment and Management -- 4 pts  
Murdoch: S1-internal, S1-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

ENV619 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the following:

ENV513 Atmospheric Science -- 4 pts  
Murdoch: S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV624 Environmental Restoration -- 4 pts  
Murdoch: S1-internal, S1-external

- ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external
- PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external
- ENV610 Land Management -- 4 pts  
Murdoch: S1-internal, S1-external
- BIO505 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal
- ENV611 Managing Wetlands and Water -- 4 pts  
Murdoch: S2-internal, S2-external
- ENV614 Earth System Science -- 4 pts  
Murdoch: S2-internal, S2-external
- ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external
- ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external
- ENV560 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external
- ENV555 Pollutants and Toxicology -- 4 pts  
Murdoch: S1-internal, S1-external
- ENV618 Sustainable Water Systems -- 4 pts  
Murdoch: S2-internal, S2-external
- EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

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## ENVIRONMENTAL SCIENCE

### See also:

Energy and the Environment  
Environmental Assessment and Management  
Policy Studies

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## MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

### School of Environmental Science

Master of Science (MSc) in Environmental Science

Course Codes: M1073

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This course provides advanced training in the application of environmental science to problem solving. The course is open to people working as environmental professionals, or seeking to do so, who want to undertake advanced studies in environmental science to broaden their environmental expertise or specialise further in a selected area.

This course facilitates improved awareness of environmental issues from technical, social and political perspectives, and provides more specific knowledge in areas of particular interest to individual students. This course aims to supply leaders to the environmental professions with the interdisciplinary scientific and policy skills required to deal with today's complex environmental problems. Graduates from the course are well equipped to contribute to continuing improvement in environmental management practices.

### Employment Prospects:

Past students have come from and/or found employment in the public and private sectors, including the consulting industry, in Australia and overseas.

### Admission Requirements (Onshore):

Recognised four-year Bachelor's degree or higher, in environmental science or environmental management, or completion of the Postgraduate Diploma in Environmental Assessment and Management or equivalent training.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Special Requirements:

Some external units may require on-campus attendance for a short period.

### Course Structure - 24 credit points

University regulations require completion of a minimum of 16 points at 600-level and a maximum of 8 points at 500-level for a 24-point Masters by Coursework degree.

### Core Units - 12 credit points

ENV600 Environmental Science Masters Project -- 8 pts  
Murdoch: H-internal, H-external, Y-internal, Y-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

### Specified Electives - 12 credit points

Select from the following units.

Recommended:

ENV523 Environmental Science Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external  
(It is strongly recommended that this unit be taken concurrently with ENV600 Environmental Science Masters Project -- 8 pts.)

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

ENV619 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

MBS572 Risk Management -- 4 pts  
Murdoch: S2-internal, S2-external

ENV624 Environmental Restoration -- 4 pts  
Murdoch: S1-internal, S1-external

ENV611 Managing Wetlands and Water -- 4 pts  
Murdoch: S2-internal, S2-external

ENV610 Land Management -- 4 pts  
Murdoch: S1-internal, S1-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

BIO505 Sustainable Management of Fish and Wildlife -- 4 pts  
Murdoch: S2-internal

ENV630 Special Topics in Environmental Science -- 4 pts  
Topic not currently offered

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

ENV522 Environmental Assessment and Management -- 4 pts  
Murdoch: S1-internal, S1-external

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

Other appropriate 500/600-level units may be substituted with the permission of the Academic Chair.

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## ETHICS

**See also:**  
Philosophy  
Policy Studies

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### GRADUATE CERTIFICATE IN ETHICS

#### **School of Social Sciences and Humanities**

Graduate Certificate in Ethics (GradCertEthics)

Course Codes: C1012

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent (depending on unit selection)

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Graduate Certificate in Ethics offers students a structured group of units that explores questions of ethics both in the sphere of individual professional conduct, and the wider realm of social concern with respect to business, health care, the new technologies, and the environment.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

#### **Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

### Course Structure - 12 credit points

#### **Core Units - 4 credit points**

PHL219 Ethics, Responsibility and Justice -- 4 pts  
Murdoch: S1-internal, S1-external

#### **Specified Electives - 8 credit points**

Select from the following:

PHL272 Ethics in Practice -- 4 pts  
Murdoch: S2-internal, S2-external

PHL277 Life, Death and Meaning -- 4 pts  
NA 2011

STP206 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

PHL215 Love and Friendship -- 4 pts  
Murdoch: S1-internal, S1-external

THE267 Christian Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

MCC245 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal

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## EXTRACTIVE METALLURGY

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### GRADUATE DIPLOMA IN EXTRACTIVE METALLURGY

#### **School of Chemical and Mathematical Sciences**

Graduate Diploma in Extractive Metallurgy (GradDipExtMet)

Course Codes: G1034

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Graduate Diploma provides specialised training in the core disciplines of extractive metallurgy -- mineral processing, hydrometallurgy and pyrometallurgy. It has been devised for the benefit of graduates currently working in the minerals industry who now find they need specialised knowledge in extractive metallurgy, and others who wish to prepare for a higher degree in extractive metallurgy (i.e. Masters or PhD). Students study core units from the BSc Mineral Science degree or undertake a combination of units and a project.

The course is available on a fee-paying basis only.

#### **Employment Prospects:**

Many students taking this qualification will already be employed in the minerals industry as engineers or chemists. Other graduates can expect to find employment in mineral processing and metal extraction plants throughout Australia and overseas.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, in a relevant area. Students with alternative satisfactory preparation may also be admitted. Students who do not have equivalent knowledge and background in chemistry, mineralogy, metallurgy and mathematics will be required to undertake additional preparatory units.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

This course is best suited for part-time students or overseas students who wish to study for a higher degree in extractive metallurgy. On-campus laboratory sessions are a requirement in all units. Higher-level units are available externally in alternate years.

#### **Professional Recognition:**

Diplomates will be eligible for graduate membership of the Australasian Institute of Mining and Metallurgy.



**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 24 credit points**

Students are required to complete all units listed below. Alternative units may be substituted where appropriate and with the approval of the Academic Chair.

EXM130 Introduction to Earth Sciences -- 3 pts  
Murdoch: S1-internal, S1-external

EXM131 Introduction to Extractive Metallurgy -- 3 pts  
Murdoch: S2-internal, S2-external

EXM524 Principles of Unit Operations -- 3 pts  
Murdoch: S1-internal, S1-external

EXM556 Process Mineralogy -- 3 pts  
Murdoch: S2-internal, S2-external

EXM504 Mineral Processing -- 3 pts  
Murdoch: S1-internal, S1-external

EXM507 Mineral Science Practicum -- 3 pts  
Murdoch: S1-internal, S1-external

EXM557 Extractive Metallurgy -- 3 pts  
Murdoch: S2-internal, S2-external

EXM506 Extractive Metallurgy Practicum -- 3 pts  
Murdoch: S2-internal, S2-external

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**GIFTED AND TALENTED EDUCATION**

**See also:**  
Education

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**POSTGRADUATE CERTIFICATE IN GIFTED AND TALENTED EDUCATION****School of Education**

Postgraduate Certificate in Gifted and Talented Education  
(PgCertGiftTalEd)

Course Codes: C1072

Restriction: All postgraduate courses are subject to restriction

Duration: 2 semesters (due to unit availability)

**Availability:**

- Some units only: Murdoch campus (internal)
- Some units only: Murdoch campus (external)

This course combines international and national models and practices, while enabling students to relate their study to their own workplace and professional development. The core units address issues in gifted education such as conceptions of giftedness, identification of giftedness and talent, and education provision. The course also provides the opportunity for students to plan and undertake an in-depth review of literature or undertake an action research project within the context of their professional practice.

**Employment Prospects:**

This course is a specialised qualification for teachers and school leaders involved in the delivery of education programs for students who are gifted and/or talented.

**Admission Requirements (Onshore):**

Recognised three- or four-year teaching qualification or higher, or

equivalent training. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to the course, but should note that it does not constitute an initial teaching qualification.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Professional Recognition:**

Department of Education in WA

**Main Research Areas:**

Gifted and Talented Education, Inclusive Education.

**Articulation:**

This course forms an intermediate award in the Master of Education (Coursework). On completion of the Master of Education (Coursework) students are eligible for both the Postgraduate Certificate and the Master of Education (Coursework) subject to the requirements of the certificate being satisfied.

**Course Structure - 12 credit points****Core Units - 8 credit points**

EDU626 Contemporary Issues in Gifted and Talented Education -- 4 pts  
Murdoch: AU5-internal

EDU629 Education Provision for Gifted and Talented Students -- 4 pts  
Murdoch: SP23-internal

**Specified Elective - 4 credit points**

Select from the following:

EDU609 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts  
Murdoch: S2-external

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

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**GLOBALISATION AND GOVERNANCE****MASTER OF ARTS IN GLOBALISATION AND GOVERNANCE****School of Social Sciences and Humanities**

Master of Arts (MA) in Globalisation and Governance

Course Codes: M1118

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

This course is designed to provide students with a sound understanding and appreciation of the ways in which globalisation is changing the nature of governance at international and domestic levels, and is threatening or enhancing the interests of both public and private interests. Students will acquire the ability to analyse and interpret changes in the global political economy, the international security environment, and the structures of states and nations.

The course is designed for students seeking the knowledge and

skills required for employment in government departments, private companies and NGOs which deal with international issues, including those of the Asia-Pacific region. The course is taught by senior staff members of Politics and International Studies and the Murdoch Business School.

**Employment Prospects:**

The course provides skills suitable for those wishing to join federal or state government departments dealing with international issues, multinational companies, international NGOs, and media organisations.

**Admission Requirements (Onshore):**

An Honours degree or equivalent.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

International studies.

**Course Structure - 24 credit points**

University regulations require completion of a minimum of 16 points at 600-level and a maximum of 8 points at 500-level for a 24-point Masters by Coursework degree.

**Core Units - 16 to 20 credit points**

POL606 States, Governance and Globalisation -- 4 pts  
Murdoch: S2H-internal

POL608 International Security and Strategy -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

POL607 Research Project -- 8 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

POL650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**Specified Electives - 4 to 8 credit points**

Select from the following:

POL697 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

SSH629 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

HIS625 European Union -- 4 pts  
Murdoch: S1-internal, S1-external

MBS531 Economics of Globalisation -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

## HEALTH

### POSTGRADUATE CERTIFICATE IN HEALTH MANAGEMENT, QUALITY AND LEADERSHIP

**School of Nursing and Midwifery**

Postgraduate Certificate in Health Management, Quality and Leadership (PgCertHMQ/L)

Course Codes: C1084

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This Certificate aims to cultivate excellence in quality, leadership and management in health professionals working in Quality, Safety, Risk and Middle Management roles in acute, community, mental health, primary and aged care public and private sectors. This course will provide fundamental skills for a range of management positions within the health service industry.

**Employment Prospects:**

Enhanced quality, safety and management skills acquired will position students to meet consumer expectations of the healthcare system and to fulfil industry demand for increased middle management skills, mentoring, supervision and coaching skills in order to enhance the quality of services.

Positions such as Accreditation Coordinator, Quality Manager, Quality and Risk Manager are essential within health services, particularly the private and aged care sectors, for their accreditation. Successful completion of this course will put graduates in a favourable position to fill such roles.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Access to adequate library resources and to the Internet is essential for external students.

**Professional Recognition:**

The course is aligned to the Australasian Association for Quality in Health Care (AAQHC) credentialling program.

**Main Research Areas:**

Health, quality and management

**Course Structure - 12 credit points**

**Core Units - 8 credit points**

NUR601 Quality and Safety in Health Care -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR611 Strategic Leadership in Health Care -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the following:

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS572 Risk Management -- 4 pts

Murdoch: S2-internal, S2-external

NUR621 Building a Quality and Safety Program for a Specific Discipline (Project Unit) -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR639 Financial Management in Health Care -- 4 pts

Murdoch: S2-internal, S2-external

NUR645 Managing Emergencies Including Planning for Business Continuity -- 4 pts

NA 2011

NUR646 Leadership and the Gender Perspective in Health Care -- 4 pts

NA 2011

NUR638 Health Care Education -- 4 pts

Murdoch: S2-internal, S2-external

NUR641 Clinical and Corporate Governance -- 4 pts

Murdoch: S1-internal, S1-external

NUR642 Health Literacy -- 4 pts

NA 2011

NUR643 Clinical Documentation for Quality and Safety -- 4 pts

Murdoch: S1-internal, S1-external

NUR644 From Clinician to Manager -- 4 pts

Murdoch: S1-internal, S1-external

NUR610 Bioethics and Law for Health Care Leadership -- 4 pts

Murdoch: S1-internal, S1-external

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## POSTGRADUATE DIPLOMA IN HEALTH MANAGEMENT, QUALITY AND LEADERSHIP

### School of Nursing and Midwifery

Postgraduate Diploma in Health Management, Quality and Leadership (PgDipHMQL)

Course Codes: P1062

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This course aims to cultivate excellence in quality, leadership and management in health professionals working in Quality, Safety, Risk and Middle Management roles in acute, community, mental health, primary and aged care public and private sectors. Students will, on completion of the course, have the capacity and capability of applying these skills in a range of management positions and become leaders and champions of change. Innovative and creative elective units are designed to allow different disciplines to focus on their areas of speciality.

#### Employment Prospects:

Enhanced quality, safety and management skills acquired will position students to meet consumer expectations of the healthcare system and to fulfil industry demand for increased middle management skills, mentoring, supervision and coaching skills in order to enhance the quality of services.

Positions such as Accreditation Coordinator, Quality Manager, Quality and Risk Manager are essential within health services, particularly the private and aged care sectors, for their accreditation. Successful completion of this course will put students in a favourable position to fill such roles.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to this course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode. Access to adequate library resources and to the Internet is essential for external students.

#### Professional Recognition:

This course meets the education requirements for associate fellow/fellow with the Australasian Association for Quality in Health Care (AAQHC).

#### Main Research Areas:

Health, quality and management

### Course Structure - 24 credit points

#### Core Units - 12 credit points

University Postgraduate Coursework regulations require completion of units at 500-level or higher for postgraduate diplomas. Where units are double-coded, students should ensure their selections fulfil this requirement.

NUR601 Quality and Safety in Health Care -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR612 Managing in a Health Care Environment -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR611 Strategic Leadership in Health Care -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

#### Specified Electives - 12 credit points

Select from the following:

NUR641 Clinical and Corporate Governance -- 4 pts

Murdoch: S1-internal, S1-external

NUR642 Health Literacy -- 4 pts

NA 2011

NUR643 Clinical Documentation for Quality and Safety -- 4 pts

Murdoch: S1-internal, S1-external

NUR644 From Clinician to Manager -- 4 pts

Murdoch: S1-internal, S1-external

NUR638 Health Care Education -- 4 pts

Murdoch: S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS572 Risk Management -- 4 pts

Murdoch: S2-internal, S2-external

NUR621 Building a Quality and Safety Program for a Specific Discipline (Project Unit) -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR639 Financial Management in Health Care -- 4 pts

Murdoch: S2-internal, S2-external

NUR645 Managing Emergencies Including Planning for Business Continuity -- 4 pts

NA 2011

NUR646 Leadership and the Gender Perspective in Health Care -- 4 pts  
NA 2011

Students may select further relevant electives from the Specified Electives for other, related coursework Masters, subject to the approval of the Academic Chair.

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## **MASTER OF HEALTH MANAGEMENT, QUALITY AND LEADERSHIP**

### **School of Nursing and Midwifery**

Master of Health Management, Quality and Leadership (MHMQL)

Course Codes: M1169

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course aims to cultivate excellence in quality, leadership and management in health professionals working in Quality, Safety, Risk and Middle Management roles in acute, community, mental health, primary and aged care public and private sectors. Students will, on completion of the course, have the capacity and capability of applying these skills in a range of management positions and become leaders and champions of change. Innovative and creative elective units are designed to allow different disciplines to focus on their areas of speciality.

#### **Employment Prospects:**

Enhanced quality, safety and management skills acquired will position students to meet consumer expectations of the healthcare system and to fulfil industry demand for increased middle management skills, mentoring, supervision and coaching skills in order to enhance the quality of services.

Positions such as Accreditation Coordinator, Quality Manager, Quality and Risk Manager are essential within health services, particularly the private and aged care sectors, for their accreditation. Successful completion of this course will put graduates in a favourable position to fill such roles.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to this course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode. Access to adequate library resources and to the Internet is essential for external students.

#### **Professional Recognition:**

This course meets the education requirements for associate fellow/fellow with the Australasian Association for Quality in Health Care (AAQHC).

#### **Main Research Areas:**

Health, quality and management

### **Course Structure - 36 credit points**

University regulations require completion of a minimum of 24 points at 600-level and up to 12 points at 500-level for a 36 point Masters by Coursework degree.

#### **Core Units - 16 credit points**

NUR601 Quality and Safety in Health Care -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR612 Managing in a Health Care Environment -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR611 Strategic Leadership in Health Care -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR632 Applied Health Research Methods: From Research to Practice -- 4 pts  
Murdoch: S1-internal, S1-external

#### **Specified Electives - 20 credit points**

Select from the following:

NUR621 Building a Quality and Safety Program for a Specific Discipline (Project Unit) -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR639 Financial Management in Health Care -- 4 pts  
Murdoch: S2-internal, S2-external

NUR645 Managing Emergencies Including Planning for Business Continuity -- 4 pts  
NA 2011

NUR646 Leadership and the Gender Perspective in Health Care -- 4 pts  
NA 2011

NUR647 Knowledge Management -- 4 pts  
Murdoch: S1-internal, S1-external

NUR641 Clinical and Corporate Governance -- 4 pts  
Murdoch: S1-internal, S1-external

NUR642 Health Literacy -- 4 pts  
NA 2011

NUR643 Clinical Documentation for Quality and Safety -- 4 pts  
Murdoch: S1-internal, S1-external

NUR644 From Clinician to Manager -- 4 pts  
Murdoch: S1-internal, S1-external

NUR638 Health Care Education -- 4 pts  
Murdoch: S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS572 Risk Management -- 4 pts  
Murdoch: S2-internal, S2-external

NUR640 Health Services Project -- 8 pts  
Murdoch: S1-external, S2-external

NUR648 Internship -- 4 pts  
Murdoch: S1-external, S2-external

Students may select units from the Specified Electives for other, related coursework Masters, subject to the approval of the Academic Chair.

## HUMAN RESOURCE MANAGEMENT

### POSTGRADUATE CERTIFICATE IN HUMAN RESOURCE MANAGEMENT

#### Murdoch Business School

Postgraduate Certificate in Human Resource Management (PgCertHRM)

Course Codes: C1057

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent depending on availability of units

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The award is a professionally-oriented coursework qualification in Human Resource Management (HRM). It provides students with a foundation of the strategic view of HRM which links an organisation's strategic goals and objectives to the management of its human resources. Coursework options include strategic overviews of the HRM operating environment, HR planning, staffing, training and development, performance management, remuneration, and a specialised unit covering occupational health and safety, drugs and alcohol in the workplace and counselling.

Graduates will often continue studies towards the Master of Human Resource Management.

#### Employment Prospects:

Career prospects are outstanding for both emerging and seasoned HR practitioners. Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation. Employment in the resources sector is particularly high, and those individuals with talent management skills are keenly sought after. Linkages are being formed with the Australian Human Resource Institute (AHRI) and industry groups.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Main Research Areas:

Human Resource Management.

#### Articulation:

This Certificate will articulate into the Postgraduate Diploma in Human Resource Management and then into the Master of Human Resource Management. Students considering articulation to the Postgraduate Diploma in Human Resource Management and/or MHRM should consider taking MHRM core units as their specified electives for this course.

### Course Structure - 12 credit points

#### Core Units - 8 credit points

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

MBS625 Managing, Evaluating and Developing Human Resources -- 4 pts

Murdoch: S1-internal, S1-external

#### Specified Electives - 4 credit points

Select from the following:

MBS511 Acquisition of Human Resources -- 4 pts  
Murdoch: S2-internal, S2-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS626 Managing Remuneration, Benefits and Motivation -- 4 pts  
Murdoch: S2-internal, S2-external

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

Students may substitute one of the units above with any 500/600-level unit offered by the Murdoch Business School with permission of the Academic Chair.

### POSTGRADUATE DIPLOMA IN HUMAN RESOURCE MANAGEMENT

#### Murdoch Business School

Postgraduate Diploma in Human Resource Management (PgDipHRM)

Course Codes: P1039

Restriction: All postgraduate courses are subject to restriction

Duration: 2 semesters full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

This is a professionally-oriented coursework qualification in Human Resource Management. It takes a strategic view of HRM which links an organisation's strategic goals and objectives to the management of its human resources. Coursework options include strategic overviews of the HRM operating environment, HR planning, staffing, training and development, performance management, remuneration, and a specialised unit covering occupational health and safety, drugs and alcohol in the workplace and counselling.

Graduates will often continue studies towards the Master of Human Resource Management.

#### Employment Prospects:

Career prospects are good for both emerging and seasoned HR practitioners. Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation. Employment in the resources sector is particularly high, and those individuals with talent management skills are keenly sought after. Linkages are being formed with the Australian Human Resource Institute (AHRI) and industry groups.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

**Professional Recognition:**

Australian Human Resource Institute (AHRI) accreditation is being sought for this course.

**Main Research Areas:**

Human Resource Management.

**Articulation:**

This Postgraduate Diploma will articulate into the Master of Human Resource Management. Students who are considering articulation to the MHRM should consider taking MHRM core units as their specified electives for this course.

**Course Structure - 24 credit points****Core Units - 12 credit points**

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

MBS625 Managing, Evaluating and Developing Human Resources -- 4 pts  
Murdoch: S1-internal, S1-external

MBS511 Acquisition of Human Resources -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 12 credit points**

Select from the following:

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external

MBS548 Organisational Change, Management and Consultancy -- 4 pts  
Murdoch: SUM-internal, SUM-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS626 Managing Remuneration, Benefits and Motivation -- 4 pts  
Murdoch: S2-internal, S2-external

MBS623 Occupational Health and Safety Law -- 4 pts  
Murdoch: W-internal, W-external

MBS572 Risk Management -- 4 pts  
Murdoch: S2-internal, S2-external

MBS624 Comparative Employee Relations -- 4 pts  
Murdoch: S2-internal, S2-external

MBS641 Project Management -- 4 pts  
Murdoch: W-internal, W-external

Students may substitute one of the units above with any 500/600-level unit offered by the Murdoch Business School with permission of the Academic Chair.

**MASTER OF HUMAN RESOURCE MANAGEMENT****Murdoch Business School**

Master of Human Resource Management (MHRM)

Course Codes: M1053

Restriction: All postgraduate courses are subject to restriction

Duration: The qualification is equivalent to 2 years full-time study but can be completed in 18 months full-time through study over 2 semesters and Winter and Summer terms

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Murdoch University International Study Centre (Dubai, UAE) ['DUBAI-ISC'] (internal) (by formal agreement) (language of instruction: English)

The MHRM is a professionally-oriented coursework masters degree in Human Resource Management (HRM). The degree takes a strategic view of HRM which links an organisation's strategic goals and objectives to the management of its human resources. Coursework proceeds from strategic overviews of the operating environment through HR planning, staffing, training and development, performance management, remuneration, and a specialised unit covering occupational health and safety, drugs and alcohol in the work place and counselling.

**Employment Prospects:**

Career prospects are outstanding for both emerging and seasoned HR practitioners. Employment prospects range from specialist HR roles to strategic planning partners, reflecting the importance of HRM in the organisation. Employment in the resources sector is particularly high, and those individuals with talent management skills are keenly sought after. Linkages are being formed with the Australian Human Resource Institute (AHRI) and industry groups.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Professional Recognition:**

This course is accredited by the Australian Human Resource Institute (AHRI).

**Main Research Areas:**

Human resource management.

**Articulation:**

Student considering articulation to the Doctor of Human Resource Management should contact the Academic Chair prior to completion of their specified electives.

**Course Structure - 48 credit points****Core Units - 24 credit points**

MBS617 Human Resource Management Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD1-internal

MBS511 Acquisition of Human Resources -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD2-internal

MBS501 Human Resource Management Law -- 4 pts  
Murdoch: S2-internal, S2-external  
DUBAI-ISC: TD2-internal

MBS625 Managing, Evaluating and Developing Human Resources -- 4 pts  
Murdoch: S1-internal, S1-external  
DUBAI-ISC: TD3-internal

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

DUBAI-ISC: TD1-internal

MBS626 Managing Remuneration, Benefits and Motivation -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD3-internal

### Specified Electives - 24 credit points

Select from the following with a minimum of 12 points at 600-level:

MBS641 Project Management -- 4 pts

Murdoch: W-internal, W-external

DUBAI-ISC: TD2-internal

MBS624 Comparative Employee Relations -- 4 pts

Murdoch: S2-internal, S2-external

MBS548 Organisational Change, Management and Consultancy -- 4 pts

Murdoch: SUM-internal, SUM-external

DUBAI-ISC: TD1-internal

MBS671 Effective Leadership -- 4 pts

Murdoch: S1-internal, S1-external

DUBAI-ISC: TD2-internal

MBS572 Risk Management -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD2-internal

MBS699 Special Topics in Business -- 4 pts

Topic not currently offered

MBS630 International Business -- 4 pts

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD3-internal

MBS606 Strategic Decision-Making -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD1-internal, TD2-internal

MBS618 Dispute Management -- 4 pts

Murdoch: AU5-internal, AU5-external

MBS623 Occupational Health and Safety Law -- 4 pts

Murdoch: W-internal, W-external

MBS651 Management of Not for Profit Organisations -- 4 pts

Murdoch: S1-internal, S1-external

Other units may be substituted with permission of the Academic Chair.

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## DOCTOR OF HUMAN RESOURCE MANAGEMENT

### Murdoch Business School

Doctor of Human Resource Management (DHRM)

Course Codes: D1060

Restriction: All postgraduate courses are subject to restriction

Duration: 3 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The Doctor of Human Resource Management is considered a professional research degree that would give graduates advanced professional standing within their corporate community.

The course requires the candidate to undertake 24 credit points of coursework focusing on the concepts of human resource management. The candidate will also be required to complete an applied research-based thesis to the value of 48 credit points. The

thesis must make a distinctive contribution to the profession and provide evidence of scholarship and originality.

The DHRM is a three-year professional research degree which consists of coursework, seminars and applied research. The first year involves an advanced business research seminar and a coursework component. In the second year students submit a research proposal and literature review and conduct field research. The third year of the course requires students to undertake a DHRM thesis to completion.

#### Employment Prospects:

The DHRM has been designed for those candidates who are already actively employed within the corporate management of human resources. The candidate's graduate outcomes will be measured by their improved standing through professional recognition which in turn will directly reflect towards senior employment advancement. These candidates will most likely already be employed in middle to senior HR positions in public or commercial practices.

#### Admission Requirements (Onshore):

Applicants should hold a Master of Human Resource Management degree or equivalent with a GPA of 3.5 or above.

Subject to the provisions of the Professional Doctorate Regulations, admission to the course is at the discretion of the MBS Research Committee who will determine the availability of a suitable supervisor, assess the potential candidate's written proposal (see guidelines) and the candidate's potential as a researcher.

Candidates who do not meet these requirements may be offered a place pending completion of additional preliminary studies for admission to the doctoral course. The specific studies to be completed will be determined in each case by the School's Research Committee.

English competence.

#### Special Requirements:

On-campus attendance for both coursework and research components.

#### Professional Recognition:

This course is accredited by the Australian Human Resource Institute (AHRI).

#### Main Research Areas:

Human Resource Management and Innovation.

#### Advanced Standing:

Students who have completed an MBA, MHRM or equivalent qualification MAY be eligible for limited advanced standing. Applications for advanced standing should be referred to the Accreditation office who will seek advice from the MBS Research Committee. Advanced standing is not an automatic right of a candidate.

### Course Structure - 72 credit points

#### Core Units - 60 credit points

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

MBS620 Advanced Business Research Methods Seminar -- 4 pts  
Murdoch: S1-internal

MBS522 Quantitative Methods for Business -- 4 pts  
Murdoch: S1-internal

MBS619 Qualitative Business Research Methods -- 4 pts  
Murdoch: S2-internal

**Doctor of Human Resource Management Thesis**

Full-time students should enrol in the thesis for 12 points for each of four semesters and part-time students should enrol in 6 points for each of eight semesters or until submission of the thesis.

MBS784 Doctor of Human Resource Management Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

Plus a further enrolment in

MBS784 Doctor of Human Resource Management Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

Plus a further enrolment in

MBS784 Doctor of Human Resource Management Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

plus a further enrolment in

MBS784 Doctor of Human Resource Management Thesis -- 12 pts  
Murdoch: S1-internal, S2-internal

The Doctor of Human Resource Management Thesis will be an applied systematic examination of an HRM business problem. A principal supervisor will be appointed for each candidate from the academic staff of the University (normally in the Murdoch Business School); up to two additional supervisors may be appointed. In total there will be at least 48 points of Doctor of Human Resource Management Thesis.

**Specified Electives - 12 credit points**

In consultation with their supervisor, students select units so as to develop knowledge in the appropriate substantive area of their research topic and to strengthen research methodology knowledge and skills in preparation for undertaking the thesis project.

Suitable MBS units can be found in the MHRM degree.

**INFORMATION TECHNOLOGY****See also:**

Internetworking and Network Security

**POSTGRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY****School of Information Technology**

Postgraduate Certificate in Information Technology (PgCertIT)

Course Codes: C1058

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 semesters (depending on unit selection)

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

The Postgraduate Certificate in Information Technology is designed to provide graduates in information technology related disciplines with a further qualification in the field. The course emphasises professional practice and effective communication using technical and nontechnical means. In addition, students select from a range of elective units according to their interests. The course may be completed over one semester full-time. Students may continue for a further semester and complete the Postgraduate Diploma in IT.

**Employment Prospects:**

Graduates of the Postgraduate Certificate in IT will be able to choose from a variety of IT-related careers, both as IT practitioners

and in supervisory and administrative roles within a wide range of public and private organisations.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree in IT, or a non-IT Bachelor's degree plus two years of relevant IT experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

The course is available by on-campus attendance only.

**Further Study:**

The Postgraduate Certificate in Information Technology provides entry and 12 points of advanced standing towards the Postgraduate Diploma in Information Technology.

**Course Structure - 12 credit points****Core Units - 4 credit points**

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

**Specified Electives - 8 credit points**

Select from the following:

ICT556 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT532 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

ICT557 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

or other units approved by the Academic Chair

**GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY****School of Information Technology**

Graduate Diploma in Information Technology (GradDipIT)

Course Codes: G1046

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The purpose of the Graduate Diploma in Information Technology is to provide graduates from a discipline other than Information Technology with a formal qualification in that field. Students can elect to focus their studies in either computer science or information systems, depending on their choice of units. Prospective Students are advised to contact the School of Information Technology for further advice.

The course can be completed by part-time study or in one year by full-time study if students have some background in Information Technology.

**Employment Prospects:**

Graduates find employment as analysts, programmers, project managers, in computer support, database development and



database administration.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

Some of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units. Please contact the School for advice.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Professional Recognition:**

Graduates of this course are eligible for membership of the Australian Computer Society at the Associate Level.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 24 credit points**

**Core Units - 8 credit points**

ICT231 Systems Analysis and Design -- 4 pts  
Murdoch: S1-internal, S1-external, S2-external

ICT218 Databases -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 16 credit points**

Select from the following:

ICT208 Business Intelligence Tools and Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT211 Web Computing -- 4 pts  
Murdoch: S2-internal, S2-external

ICT239 Software Development Frameworks -- 4 pts  
Murdoch: S1-internal, S1-external

ICT325 Human-Computer Interaction -- 4 pts  
Murdoch: S1-internal, S1-external

ICT209 Data Structures and Abstractions -- 4 pts  
Murdoch: S1-internal, S1-external

ICT215 Computer Graphics Principles and Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT306 Software Architectures -- 4 pts  
Murdoch: S1-internal, S1-external

ICT336 Internet Systems Programming -- 4 pts  
Murdoch: S1-internal, S1-external

ICT338 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT339 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

EDN205 ICT in the Classroom -- 4 pts  
Murdoch: S2-internal, S2-external

ICT353 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

or other units as approved by the Academic Chair.

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**POSTGRADUATE DIPLOMA IN INFORMATION TECHNOLOGY**

**School of Information Technology**

Postgraduate Diploma in Information Technology (PgDiplIT)

Course Codes: P1036

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Postgraduate Diploma in Information Technology is designed to provide graduates in information technology related disciplines with a further qualification in the field. The course emphasises professional practice and effective communication using technical and nontechnical means. Security, knowledge management, data communications and business analysis are covered. In addition, students complete an individual study project in an area of interest.

**Employment Prospects:**

Graduates of the Postgraduate Diploma in IT will be able to choose from a variety of IT-related careers, both as IT practitioners and in supervisory and administrative roles within a wide range of public and private organisations.

**Admission Requirements (Onshore):**

Recognised relevant Bachelor's degree in IT;  
or a recognised non-IT Bachelor's degree plus an approved Diploma in IT;  
or a recognised non-IT Bachelor's degree plus two years of relevant IT experience;  
or a recognised non-IT Honours degree.

English competence.

**Special Requirements:**

The course is available by on-campus attendance only.

**Professional Recognition:**

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

**Further Study:**

Units completed in this course can be used as advanced standing towards the Master of Science in Information Technology.

**Course Structure - 24 credit points**

**Core Units - 24 credit points**

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT556 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT557 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

ICT532 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

ICT617 Advanced IT Study Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

## POSTGRADUATE DIPLOMA IN INTERNETWORKING AND SECURITY

### School of Information Technology

Postgraduate Diploma in Internetworking and Security  
(PgDiplntwkSecur)

Course Codes: P1040

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

The Postgraduate Diploma in Internetworking and Security provides a thorough and practical grounding in network design, network administration, network management and security. The course structure is flexible allowing students to tailor the course to meet their career needs. Students can choose units that target their skills in security, LAN and Wireless network design, global network design or network management.

Most specialisations prepare students to sit one or more industry certification exams. These certifications include Cisco Certified Network Associate (CCNA), Certified Wireless Network Administrator (CWNA), Cisco Certified Network Professional (CCNP), Managing Cisco Network Security (MCNS) and Cisco Secure PIX Firewall Advanced (CSPFA).

#### Employment Prospects:

The following employers are increasingly concerned with network performance and security: Network service providers, Banking and Finance organisations, Government and the Military. There is also scope to work as an independent network and security consultant.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or five or more years of relevant work experience. Students who have completed the BSc in Internetworking and Security may not enrol in this course.

English competence.

#### Special Requirements:

Internet access is required for all students.

#### Professional Recognition:

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

#### Further Study:

Units completed in this course can be used as advanced standing towards the Master of Science in Information Technology (Internetworking and Security specialisation) or Master of Network Management and Security.

### Course Structure - 24 credit points

#### Core Units - 12 credit points

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT535 Advanced Business Data Communications -- 4 pts  
Murdoch: S2-internal

ICT539 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

#### Specified Electives - 12 credit points

Select from the following:

ICT618 Information Technology Project Management -- 4 pts

Murdoch: S1-internal

ICT644 IP Telephony -- 4 pts  
Murdoch: S2-internal

ICT663 Network Switching -- 4 pts  
Murdoch: S1-internal

ICT647 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

ICT564 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT672 Network Security -- 4 pts  
Murdoch: S1-internal

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT638 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

## MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

### School of Information Technology

Master of Science (MSc) in Information Technology

Course Codes: M1074

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

This course is a professional qualification in Information Technology, designed to provide candidates with appropriate practical understanding, skills and knowledge for managing IT use, change and development. The primary aim is to allow IT professionals an opportunity for professional upgrading or an extension of their qualifications and experience.

The degree may be completed in one of two ways:

- Coursework: students complete 48 credit points of advanced postgraduate units.
- Coursework and Dissertation: students complete 36 credit points of coursework units and a 12-credit point dissertation.

Students may exit the MSc(IT) at various points, to complete the Postgraduate Certificate or Postgraduate Diploma in Information Technology or Postgraduate Diploma in Internetworking and Security depending on unit selection. The Postgraduate Diploma in Information Technology forms the first half of the MSc(IT) (no specialisation), and the Postgraduate Diploma in Internetworking and Security forms the first half of the MSc(IT) (Internetworking and Security specialisation).

#### Employment Prospects:

There is a critical need for modern IT professionals responsible for establishing, maintaining and developing information systems in a wide variety of sectors including commerce, telecommunications, health, education, architecture, mining, engineering, law and charities.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree in IT or higher, or equivalent training, or recognised Graduate Diploma in IT, or a three-year non-IT degree plus approved Diploma in IT or recognised Postgraduate Diploma in IT, or any recognised non-IT Honours degree, or higher, plus five or more years of relevant work experience.

English competence.

**Professional Recognition:**

Graduates of this course are eligible for membership of the Australian Computer Society at the Professional Level.

**Further Study:**

Completion of the requirements of the MSc(IT) forms the first component of the professional Doctor of Information Technology (DIT). The MSc(IT) also enables students to move on to study for a PhD in Information Technology.

**Coursework (No Specialisation)**

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 48 credit points**

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT556 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT557 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

ICT532 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

ICT617 Advanced IT Study Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT616 Data Resources Management -- 4 pts  
Murdoch: S2-internal

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

ICT650 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

ICT612 Human Factors in Information Technology -- 4 pts  
Murdoch: S1-internal

ICT619 Intelligent Systems Applications -- 4 pts  
Murdoch: S2-internal

ICT622 Information Technology Strategy -- 4 pts  
Murdoch: S2-internal

**Coursework (Internetworking and Security Specialisation)**

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48 point Masters by Coursework degree.

**Core Units - 36 credit points**

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT535 Advanced Business Data Communications -- 4 pts  
Murdoch: S2-internal

ICT539 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT616 Data Resources Management -- 4 pts  
Murdoch: S2-internal

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

ICT650 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

ICT612 Human Factors in Information Technology -- 4 pts  
Murdoch: S1-internal

ICT619 Intelligent Systems Applications -- 4 pts  
Murdoch: S2-internal

ICT622 Information Technology Strategy -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 12 credit points**

Select from the following:

ICT644 IP Telephony -- 4 pts  
Murdoch: S2-internal

ICT663 Network Switching -- 4 pts  
Murdoch: S1-internal

ICT647 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

ICT564 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT638 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT672 Network Security -- 4 pts  
Murdoch: S1-internal

**Coursework and Dissertation (No Specialisation)**

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 48 credit points**

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT556 Knowledge Management Techniques -- 4 pts  
Murdoch: S1-internal, S1-external

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT557 Information Security Management -- 4 pts  
Murdoch: S2-internal, S2-external

ICT532 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

ICT617 Advanced IT Study Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT612 Human Factors in Information Technology -- 4 pts  
Murdoch: S1-internal

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

ICT650 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

ICT678 Information Technology Research Dissertation -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

### **Coursework and Dissertation (Internetworking and Security Specialisation)**

#### **Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48 point Masters by Coursework degree.

#### **Core Units - 36 credit points**

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT535 Advanced Business Data Communications -- 4 pts  
Murdoch: S2-internal

ICT539 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT612 Human Factors in Information Technology -- 4 pts  
Murdoch: S1-internal

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

ICT650 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

ICT678 Information Technology Research Dissertation -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external,  
Y-internal, Y-external

#### **Specified Electives - 12 credit points**

Select from the following:

ICT644 IP Telephony -- 4 pts  
Murdoch: S2-internal

ICT663 Network Switching -- 4 pts  
Murdoch: S1-internal

ICT647 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

ICT564 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT638 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT672 Network Security -- 4 pts  
Murdoch: S1-internal

## **DOCTOR OF INFORMATION TECHNOLOGY**

### **School of Information Technology**

Doctor of Information Technology (DIT)

Course Codes: D1059

Restriction: All postgraduate courses are subject to restriction

Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external)

The Doctor of Information Technology (DIT) is an intensive course of study leading to a professional doctorate in Information

Technology. The first two semesters consist of a selection from the School's masters-level units covering approaches to information technology and a wide range of topics of current concern in the industry. The final four research semesters culminate with the writing of a dissertation which embodies a significant contribution to professional practice in Information Technology.

#### **Admission Requirements (Onshore):**

Applicants should hold a four-year degree in Information Technology or a related discipline (or its equivalent). This may include an Honours degree or a postgraduate diploma in IT, Computer Science or Information Systems. Applicants without research preparation will receive research training as part of the degree.

Applicants with a Master's degree in IT, including the MSc(IT), can get up to 24 points credit towards the DIT.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### **Course Structure - 72 credit points**

In Semesters 3, 4, 5 and 6, full-time students should enrol in the thesis unit for 12 points each semester and part-time students for 6 points each semester until the submission of the thesis.

#### **Core Unit - 4 credit points**

ICT650 Information Technology Research Methodologies -- 4 pts  
Murdoch: S1-internal

#### **Specified Electives - 20 credit points**

Select from the following:

ICT532 Advanced Business Analysis and Design -- 4 pts  
Murdoch: S2-internal, S2-external

ICT612 Human Factors in Information Technology -- 4 pts  
Murdoch: S1-internal

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT616 Data Resources Management -- 4 pts  
Murdoch: S2-internal

ICT617 Advanced IT Study Project -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

ICT619 Intelligent Systems Applications -- 4 pts  
Murdoch: S2-internal

ICT622 Information Technology Strategy -- 4 pts  
Murdoch: S2-internal

ICT700 Computer Science Research Topic -- 4 pts  
Murdoch: S1-internal, S2-internal

ICT704 Information Systems Research Topic -- 4 pts  
Murdoch: S1-internal, S2-internal

### **Semester 3**

#### **Core Units - 12 credit points**

ICT702 Doctor of Information Technology Thesis -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Semester 4****Core Units - 12 credit points**

ICT702 Doctor of Information Technology Thesis -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Semester 5****Core Units - 12 credit points**

ICT702 Doctor of Information Technology Thesis -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Semester 6****Core Units - 12 credit points**

ICT702 Doctor of Information Technology Thesis -- 12 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

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## INTERNETWORKING AND NETWORK SECURITY

**See also:**

Information Technology

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## MASTER OF NETWORK MANAGEMENT AND SECURITY

**School of Information Technology**

Master of Network Management and Security (MNetManSecur)

Course Codes: M1142

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This degree provides students with the necessary skills to plan, design, construct, manage and troubleshoot complex integrated voice and data networks. An emphasis is placed on achieving designs that are both scalable and secure. Topics explored within the degree include network switching, advanced routing, wide area networks, wireless networks and the management and security of both computer systems and the network infrastructure. Students are also able to pursue a number of valuable network and security related industry certifications.

**Employment Prospects:**

Professional communications network designers and troubleshooters in secure voice and data networks.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or five or more years of relevant work experience. Students who have completed the BSc in Internetworking and Security may not enrol in this course.

English competence.

**Special Requirements:**

Internet access is required for all students.

**Professional Recognition:**

Students will have sufficient preparation to attempt the following certification exams:

Cisco Certified Network Associate (CCNA);  
Certified Wireless Network Administrator (CWNA);  
Cisco Certified Network Professional (CCNP);  
MCNS (Managing Cisco Network Security); and  
CSPFA (Cisco Secure PIX Firewall Advanced).

Graduates of this course are eligible for membership of the

Australian Computer Society at the Professional Level.

**Articulation:**

Units completed in the Postgraduate Diploma in Internetworking and Security may be used as advanced standing toward the Master of Network Management and Security, subject to appropriate unit selection.

**Course Structure - 48 credit points****Core Units - 48 credit points**

ICT565 Knowledge and Information Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT638 Computer Systems and Network Management -- 4 pts  
Murdoch: S1-internal, S1-external

ICT521 IT Professional Practice -- 4 pts  
Murdoch: S1-internal

ICT535 Advanced Business Data Communications -- 4 pts  
Murdoch: S2-internal

ICT539 Computer Security -- 4 pts  
Murdoch: S2-internal, S2-external

ICT546 Local Area Network Design and Implementation -- 4 pts  
Murdoch: S1-internal

ICT672 Network Security -- 4 pts  
Murdoch: S1-internal

ICT663 Network Switching -- 4 pts  
Murdoch: S1-internal

ICT564 Wireless Networks -- 4 pts  
Murdoch: S2-internal

ICT644 IP Telephony -- 4 pts  
Murdoch: S2-internal

ICT647 Advanced Network Design -- 4 pts  
Murdoch: S2-internal

ICT618 Information Technology Project Management -- 4 pts  
Murdoch: S1-internal

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## JOURNALISM

**See also:**

Public Relations

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## POSTGRADUATE CERTIFICATE IN JOURNALISM

**School of Media Communication and Culture**

Postgraduate Certificate in Journalism (PgCertJour)

Course Codes: C1065

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time if commencing Semester 1, or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This one-semester certificate is for graduates of any discipline who want to gain practical skills and an understanding of the professional practice of journalism. It will help them develop new career choices in the media and allied industries.

Note: Candidates wanting to develop their practical skills and experience to a level required for entry-level jobs in the Australian media should undertake the Postgraduate Diploma in Journalism.

The diploma provides such skills through production units and industry placements.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training in other than a Journalism major, or satisfactory preparation for the course through previous study or professional experience.

English competence.

**Main Research Areas:**

Journalism

**Course Structure - 12 credit points**

**Core Units - 8 credit points**

MCC545 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal

MCC623 Newsroom -- 4 pts  
Murdoch: S1-internal, S2-internal

**Specified Electives - 4 credit points**

Select from the following:

EGL534 Literary Journalism -- 4 pts  
Murdoch: S1-internal

MCC616 Communication Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC544 Radio Presenting and Producing -- 4 pts  
Murdoch: S1-internal

MCC540 Politics, Journalism and Society -- 4 pts  
Murdoch: S2-internal

MCC567 Photo and Video Journalism -- 4 pts  
Murdoch: S1-internal

MCC517 Web News Production -- 4 pts  
Murdoch: S2-internal

English competence.

**Main Research Areas:**

Journalism

**Course Structure - 24 credit points**

**Core Units - 12 credit points**

MCC545 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal

MCC623 Newsroom -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC540 Politics, Journalism and Society -- 4 pts  
Murdoch: S2-internal

**Specified Electives - 8 credit points**

Select from the following:

MCC616 Communication Projects -- 4 pts  
Murdoch: S1-internal, S2-internal

EGL534 Literary Journalism -- 4 pts  
Murdoch: S1-internal

MCC544 Radio Presenting and Producing -- 4 pts  
Murdoch: S1-internal

MCC517 Web News Production -- 4 pts  
Murdoch: S2-internal

MCC549 Journalism Project -- 8 pts  
Murdoch: W-internal

OR

MCC5491 Journalism Project -- 4 pts  
NA 2011

MCC567 Photo and Video Journalism -- 4 pts  
Murdoch: S1-internal

**General Electives - 4 credit points**

Select from any 500/600-level units offered by the University including from any of the above, subject to individual unit prerequisites.

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**POSTGRADUATE DIPLOMA IN JOURNALISM**

**School of Media Communication and Culture**

*Postgraduate Diploma in Journalism (PgDipJour)*

Course Codes: P1050

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This diploma is for those who want to understand and practise print and/or broadcast journalism. It will provide the full range of skills you need to be a news professional, including reporting and writing, print and broadcast news production, law, ethics, journalism theory, feature-writing, subediting, desktop publishing and industry internships.

**Employment Prospects:**

The diploma is an industry preparation course. Graduates have gained jobs in daily print, radio and television journalism, corporate communications, public relations, alternative media, and as freelance writers.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, other than a Journalism major. Applicants are encouraged to demonstrate commitment to journalism in a personal submission accompanying their application for admission.

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**LAW**

**See also:**

Chinese Law  
Dispute Resolution  
Migration Law

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**MASTER OF LAWS BY RESEARCH**

**School of Law**

*Master of Laws (Research) (LLM)*

Course Codes: M1067

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external) (subject to approval on a case-by-case basis)

The Master of Laws by Research is designed to extend to students the opportunity to undertake research at an advanced level.

The course is designed to enable students:

- a) to achieve a theoretical knowledge of the major legal and policy issues of focused areas of legal study which are not offered at the undergraduate level;
- b) to develop their skills of critical analysis of the law by enhancing their research and writing skills and in oral presentation;
- c) to acquire interdisciplinary perspectives which will enhance their legal scholarship; and
- d) to participate in a scholarly discourse with teachers and fellow students in order to achieve a breadth of legal scholarship.

**Admission Requirements (Onshore):**

Applicants must have qualified for the degree of Bachelor of Laws or equivalent legal qualification at a high standard of excellence.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Course Structure**

Candidates are required to submit a thesis in an approved area of study of at least 50,000 words.

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## LOCAL GOVERNANCE

**See also:**

Globalisation and Governance  
Policy Studies

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### MASTER OF ARTS IN LOCAL GOVERNANCE

**School of Sustainability**

Master of Arts (MA) in Local Governance

Course Codes: M1135

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Local governance is an area of growth in academic interest as well as where employment is moving. The changes in local government now demand that it works in a more transparent way engaging with local community and business, that it is more integrated into state government programs in sustainability, community development, planning and regional development, and that it is more businesslike and holistic in decision-making. This is the agenda of local governance.

This degree will provide students with the theory and practice related to governance at a local level. It will integrate theory from public policy, sustainability, business and community development to emphasise partnerships and bottom-up approaches to change.

Units can be chosen to emphasise more of the theory or the practice via a placement in local government.

**Employment Prospects:**

Local government will be the major employer, though as explained above other sectors will also use graduates in this area.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training,

though not necessarily in an area directly related to this course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Sustainability, social policy, governance, community development, policy development.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 20 to 32 credit points**

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

POL530 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

Plus one of the following two units:

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

Plus one of the following two units:

STP620/STP6201 Master of Arts by Coursework Project -- 4 pts or 8 pts

STP620:

NA 2011

STP6201:

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

STP650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework and have the approval of the Academic Chair and of a Research Supervisor.

**Specified Electives - 16 to 28 credit points**

Select from the Core Units not already completed or from the following units:

Note: Students who intend to complete either STP650 Master of Arts by Coursework Dissertation -- 12 pts or STP6201 Master of Arts by Coursework Project -- 8 pts will be required to take STP618 Honours and Masters Research Seminar -- 4 pts in lieu of one of their specified electives.

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

**Sustainability**

STP645 Sustainable Urban Design -- 4 pts  
NA 2011

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

AIS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP611 Resilient Regions: People and Practice -- 4 pts  
Murdoch: SB6-internal (quota of 40 places)

**Politics**

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

POL585 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

POL606 States, Governance and Globalisation -- 4 pts  
Murdoch: S2H-internal

AIS505 Australian Indigenous Politics: Resistance or Collusion -- 4 pts  
Murdoch: S2-internal, S2-external

**Community Development**

COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts  
Murdoch: S1-internal, S1-external

OR

MBS508 Organisational Behaviour and Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

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**MATHEMATICS TEACHING**

**See also:**  
Education

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**GRADUATE CERTIFICATE IN MATHEMATICS TEACHING****School of Education**

Graduate Certificate in Mathematics Teaching (GradCertMathTeach)

Course Codes: C1038

Restriction: All postgraduate courses are subject to restriction

Duration: 2 to 3 semesters part-time

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This Certificate is designed for qualified teachers who would like to make mathematics teaching one of their specialisations. It builds on the learning that teachers have already acquired, with particular emphasis on the middle years and lower secondary years.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to the Certificate, but should note that the course does not constitute an initial teaching qualification.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Further Study:**

The Certificate may be upgraded with an additional 12 points to a Graduate Diploma in Education Studies which would provide students with the expertise normally expected of lower secondary mathematics teachers. Students may also choose to progress to a Graduate Diploma in Mathematics and Statistics which would equip them with the equivalent status to a mathematics degree, normally expected for teaching mathematics across the full range of secondary years. In addition, on completion, students may be granted 8 pts advanced standing towards a Master of Education (Coursework) degree.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points**

Note that EDN314 Mathematics and the Curriculum (Secondary) -- 2 pts must be taken in the final semester of study to satisfy prerequisite studies.

**Core Units - 12 credit points**

MAS164 Fundamentals of Mathematics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal

MAS180 Introduction to Statistics -- 3 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDN214 Thinking Mathematically -- 4 pts  
Murdoch: S2-internal, S2-external

EDN314 Mathematics and the Curriculum (Secondary) -- 2 pts  
Murdoch: S1-internal, S1-external  
(At least two of the previous three units must be completed prior to enrolment in this unit.)

Students who have previously completed EDU162 Cultural Mathematics or EDN114 Thinking Mathematically -- 3 pts or EDU262 Cultural Mathematics should consult with the Academic Chair for an alternative education unit to EDN214 Thinking Mathematically -- 4 pts.

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**MEDIA MANAGEMENT****MASTER OF MEDIA MANAGEMENT****School of Media Communication and Culture**

Master of Media Management (MMedMan)

Course Codes: M1170

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time or part-time equivalent, or one year full-time utilising both summer and winter terms

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

This course has been designed for media professionals and others interested in acquiring management skills needed in the media. Students study organisational management, leadership, strategic communication, finance and marketing. In addition, students will study the changes in media technology and developments of the traditional and new media business in our region and the world. Students undertake a special project.

**Employment Prospects:**

Leadership roles in large and small organisations in the media, communication and entertainment sectors, including mainstream and emerging media, and in media consultancy.

**Admission Requirements (Onshore):**

Four-year bachelor degree or three-year bachelor degree and at least one year of relevant workplace experience OR three-year bachelor degree and at least one year of graduate study in a relevant discipline.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Management, marketing, strategic communication, media and public relations.

**Articulation:**

Students who have studied the corresponding Master of Media Management at Communication University of China for 12 months will not need to complete the business units at Murdoch University.

**Course Structure - 36 credit points****Core Units - 30 to 36 credit points**

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS606 Strategic Decision-Making -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MCC681 Strategic Communication -- 4 pts  
Murdoch: S2-internal

MCC682 Global Media: Asia-Pacific Perspectives -- 4 pts  
Murdoch: S1-internal, S1-external

MCC615 New Media Technologies -- 4 pts  
Murdoch: S2-internal, S2-external

MCC680 Media Management Project -- 6 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external, W-internal, W-external

OR

MCC650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in their coursework and have the approval of the Academic Chair and of a Research Supervisor.

**General Electives - 0 to 6 credit points**

Select from any 600-level unit at the University.

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 12 points at 500-level for a 36-point Masters by Coursework degree.

Students may select further units from the Specified Electives for other, related coursework Masters, subject to the approval of the Academic Chair.

**MEDIA PRODUCTION****POSTGRADUATE CERTIFICATE IN MEDIA PRODUCTION****School of Media Communication and Culture**

Postgraduate Certificate in Media Production (PgCertMedProd)

Course Codes: C1066

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This is a production-based graduate-entry certificate consisting of one semester of full-time study or part-time equivalent. It provides an opportunity for graduates from any discipline to focus on the media, vocational and applied elements of the topic of their interest and in the context of specific projects in film, radio, television, print or multimedia.

This is an intensive hands-on course based on one-on-one consultation with a supervisor throughout the term of the diploma. The course will equip students with production skills and the ability to produce and manage in screen, radio or multimedia productions.

**Employment Prospects:**

Television, film, video, radio and multimedia production organisations, media and cultural industries, public relations, education, arts management, television journalism, corporate communications, alternative media, and as freelance filmmakers.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience. Extensive production credits may also be considered as an appropriate equivalent entry qualification.

English competence.

**Main Research Areas:**

Media, Communication, Culture, Arts, Sociology.

**Course Structure - 12 credit points****Core Units - 12 credit points**

MCC533 Media Production Seminar -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC5101 Advanced Topic in Media Production -- 4 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

MCC5102 Advanced Topic in Media Production -- 4 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

OR

MCC625 Professional Placement in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

## POSTGRADUATE DIPLOMA IN MEDIA PRODUCTION

### School of Media Communication and Culture

Postgraduate Diploma in Media Production (PgDipMedProd)

Course Codes: P1051

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)

This is a production-based graduate-entry course consisting of one year of full-time study or part-time equivalent. It provides an opportunity for graduates from any discipline to focus on the media, vocational and applied elements of the topic of their interest and in the context of specific projects in film, radio, television, print or multimedia.

This is an intensive hands-on course based on one-on-one consultation with a supervisor throughout the term of the diploma. The course will equip students with production skills and the ability to produce and manage in screen, radio or multimedia productions.

#### Employment Prospects:

Television, film, video, radio and multimedia production organisations, media and cultural industries, public relations, education, arts management, television journalism, corporate communications, alternative media, and as freelance filmmakers.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience. Extensive production credits may also be considered as an appropriate equivalent entry qualification.

English competence.

#### Main Research Areas:

Media, Communication, Culture, Arts, Sociology.

### Course Structure - 24 credit points

#### Core Units - 24 credit points

MCC533 Media Production Seminar -- 4 pts  
Murdoch: S1-internal, S2-internal

MCC5101 Advanced Topic in Media Production -- 4 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

MCC5102 Advanced Topic in Media Production -- 4 pts  
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

OR

MCC625 Professional Placement in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

MCC538 Advanced Media Projects -- 12 pts  
Murdoch: S1-internal, S2-internal, Y-internal

## MIGRATION LAW

### GRADUATE CERTIFICATE IN AUSTRALIAN MIGRATION LAW AND PRACTICE

#### School of Law

Graduate Certificate in Australian Migration Law and Practice (GradCertAusMigLaw)

Course Codes: C1063

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester (intensive)

#### Availability:

- Murdoch campus (internal)

The Graduate Certificate in Australian Migration Law and Practice is an accredited professional training course which fulfils part of the requirements for individuals to become Registered Migration Agents.

The course will expose students to real-life migration problems and improve the practical, problem-solving and interpersonal skills of its participants, enabling them to function effectively in the important and challenging role of a Migration Agent.

#### Admission Requirements (Onshore):

Bachelor's degree or higher, or equivalent training in any discipline, or satisfactory preparation for the course through previous study or professional experience.

English competence, to be demonstrated by

\* An Academic IELTS score of 6.5, with no individual band less than 6.0

or

\* Successful completion of Murdoch's pre-law course, Koora Kudidj Pre-Law Program; plus an Academic IELTS score of 6.0, or 6.5 overall with no individual band less than 6.0

or

\* Satisfactory performance in a Murdoch-administered diagnostic test to examine English comprehension and written skills.

#### Professional Recognition:

Migration Agents' Registration Authority (MARA).

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

### Course Structure - 12 credit points

#### Core Units - 12 credit points

LAW402 Australian Migration Law -- 4 pts  
Murdoch: SP22-internal, UA6-internal

LAW403 Australian Visa System -- 4 pts  
Murdoch: AU6-internal, SP1-internal

LAW404 Migration Law in Practice -- 4 pts  
Murdoch: AU7-internal, SP27-internal

## NEUROMUSCULOSKELETAL REHABILITATION

### POSTGRADUATE CERTIFICATE IN NEUROMUSCULOSKELETAL REHABILITATION

#### School of Chiropractic and Sports Science

Postgraduate Certificate in Neuromusculoskeletal Rehabilitation  
(PgCertNeurRehab)

Course Codes: C1042

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year part-time

#### Availability:

- Chiropractic Education Australia ['CEASYDNEY'] (external)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

Neuromusculoskeletal Rehabilitation is a rapidly growing branch of the healing arts concerned with the psychosocial aspects, pathogenesis, diagnosis, therapy and prophylaxis of patho-physiological disturbances, patho-mechanical states, pain syndromes and neuro-physiological effects related to the muscles, fasciae and associated soft tissues, joints and neurological structures of the body. The practitioner of Neuromusculoskeletal Rehabilitation is a health professional who gives particular attention to the relationship of muscles and fasciae to structural and neurological aspects of the body in health and disease and is educated in the relevant basic and clinical sciences as well as in related humanities. They make a significant contribution to the fields of chronic pain control and management, behavioural modification, sports injury management, personal training in health maintenance and the management of acute and chronic effects of accidents and rehabilitation.

#### Employment Prospects:

Most of the participants in the course will already be employed, many in their own practices. This course will value-add to the practitioners' qualifications and provide an extension of their practice into the rehabilitation area.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, in chiropractic and at least one year of clinical experience. Preparation through Bachelor's or higher qualification in other health disciplines may be considered.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

The course is offered part-time in order to meet the needs of healthcare practitioners who have to maintain their practices and will attend in study blocks. The course will be offered at times and in ways that best suit groups of students.

#### Professional Recognition:

Australasian Council on Chiropractic Education (National accrediting body), Australasian chiropractic statutory registration boards, Australasian professional associations (CAA, COCA, NZCA).

#### Main Research Areas:

Neuromusculoskeletal rehabilitation, chronic pain control and management, behavioural modification and sports injury management.

#### Facilitating Learning:

Learning will be facilitated through the use of multimedia Directed Self-Learning packs (DSL) to study the theoretical content and will be reinforced through experiential practicals, tutorials and clinical practicals. DSL packs provide very detailed guidance and draw extensively on the current literature to construct 'programmed readers' that are keyed to the unit outcomes and content and to performance indicators. In addition they provide student guidance through study guides that identify and address principles relating to the various aspects of the learning, and through case studies and self-test questions linked to the assessment criteria listed in the unit descriptors. Practical and tutorial sessions are mediated through the use of laboratory skills and case-solving exercises described in the study guides, and keyed to the unit descriptors through the intensive workshops.

### Course Structure - 12 credit points

#### Core Units - 12 credit points

CHI6811 Principles and Practice of Neuromusculoskeletal Rehabilitation -- 4 pts

CEASYDNEY: H-external, Y-external

CHI6821 Neuromusculoskeletal Rehabilitation of the Lower Body -- 4 pts

CEASYDNEY: H-external, Y-external

CHI6831 Neuromusculoskeletal Rehabilitation of the Upper Body -- 4 pts

CEASYDNEY: H-external, Y-external

### POSTGRADUATE DIPLOMA IN NEUROMUSCULOSKELETAL REHABILITATION

#### School of Chiropractic and Sports Science

Postgraduate Diploma in Neuromusculoskeletal Rehabilitation  
(PgDipNeurRehab)

Course Codes: P1043

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years part-time

#### Availability:

- Chiropractic Education Australia ['CEASYDNEY'] (external)

Neuromusculoskeletal Rehabilitation is a rapidly growing branch of the healing concerned with the psychosocial aspects, pathogenesis, diagnosis, therapy and prophylactics of patho-physiological disturbances, patho-mechanical states, pain syndromes and neuro-physiological effects related to the muscles, fasciae and associated soft tissues of the human body. The practitioner of Neuromusculoskeletal Rehabilitation makes a significant contribution to the fields of chronic pain control and management, behavioural modification, sports injury management, personal training in health maintenance and the management of acute and chronic effects of accidents and rehabilitation.

#### Employment Prospects:

Most participants in the course will already be employed in professional practice. This course will add value to the practitioner's qualifications and provide an extension of their practice into the rehabilitation area.

#### Admission Requirements (Onshore):

Recognised Postgraduate Certificate in Neuromusculoskeletal Rehabilitation, or equivalent training.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

This course is offered part-time in order to meet the needs of health care practitioners who have to maintain their professional practices. The course will be offered at times and in ways that best suit groups of students.

**Professional Recognition:**

Council on Chiropractic Education (Australasia), Australasian chiropractic statutory registration boards, Australasian professional associations (CCA, COCA, NZCA).

**Main Research Areas:**

Neuromusculoskeletal rehabilitation, chronic pain control and management, behavioural modification, sports injuries.

**Course Structure - 24 credit points****Core Units - 24 credit points**

CHI6811 Principles and Practice of Neuromusculoskeletal Rehabilitation -- 4 pts  
CEASYDNEY: H-external, Y-external

CHI6821 Neuromusculoskeletal Rehabilitation of the Lower Body -- 4 pts  
CEASYDNEY: H-external, Y-external

CHI6831 Neuromusculoskeletal Rehabilitation of the Upper Body -- 4 pts  
CEASYDNEY: H-external, Y-external

CHI6841 Neuromusculoskeletal Rehabilitation of the Lower Body II -- 4 pts  
CEASYDNEY: H-external, Y-external

CHI6851 Neuromusculoskeletal Rehabilitation of the Upper Body II -- 4 pts  
CEASYDNEY: H-external, Y-external

CHI6801 Neuromusculoskeletal Rehabilitation in Overview -- 4 pts  
CEASYDNEY: H-external, Y-external

**NURSING****MASTER OF ADVANCED NURSING****School of Nursing and Midwifery**

Master of Advanced Nursing (MAdvNurse)

Course Codes: M1166

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

This course aims to cultivate excellence in the delivery of patient care by registered nurses practising in a variety of settings. Students will have the opportunity to explore and integrate theoretical knowledge and clinical nursing within their chosen specialisation in preparation for advanced practice.

**Employment Prospects:**

Having been prepared for practice as an advanced practitioner, graduates will be in a position to progress their career in a wide range of specialities offered by Health Service providers.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree from an Australian university or college; successful completion of a Graduate Certificate course

through the College of Nursing or equivalent; a minimum of one year's recent work experience in an appropriate Nursing environment; and current registration with the Nurses and Midwives Board of Western Australia.

Registered Nurses who do not have an undergraduate diploma or degree, but who have a relevant graduate certificate and recent, relevant work experience of five years or more will also be considered for admission.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in the choice of units if completing this course in the external mode. Access to adequate library resources and to the Internet is essential for external students.

**Main Research Areas:**

Nursing and its clinical specialities.

**Advanced Standing:**

Students are admitted with advanced standing of 12 points subject to completion of an appropriate Graduate Certificate course through the College of Nursing or equivalent.

**Intermediate Award:**

Students who successfully complete this course will be awarded the Postgraduate Diploma in Advanced Nursing under the Intermediate Award policy.

**Course Structure - 36 credit points**

Students who wish to exit with just the Postgraduate Diploma in Advanced Nursing must complete all core units.

**Prerequisite Study - 12 credit points**

Students will receive 12 points upon entry for the completion of an appropriate College of Nursing Graduate Certificate or equivalent.

**Core Units - 12 credit points**

NUR632 Applied Health Research Methods: From Research to Practice -- 4 pts

Murdoch: S1-internal, S1-external

NUR619 Advanced Nursing Clinical Assessment Topic -- 4 pts

Murdoch: S1-external, S2-external

NUR638 Health Care Education -- 4 pts

Murdoch: S2-internal, S2-external

**Specified Electives - 12 credit points**

Select from the following:

NUR640 Health Services Project -- 8 pts

Murdoch: S1-external, S2-external

NUR610 Bioethics and Law for Health Care Leadership -- 4 pts

Murdoch: S1-internal, S1-external

NUR611 Strategic Leadership in Health Care -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR601 Quality and Safety in Health Care -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

NUR637 Wound Healing and Advanced Care: the Science and Art -- 4 pts

Murdoch: S1-internal

NUR650 Health Services Dissertation -- 12 pts

Murdoch: S1-external, S2-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

## ORGANISATIONAL HUMAN RESOURCES AND SAFETY

**See also:**  
Psychology

### POSTGRADUATE CERTIFICATE IN ORGANISATIONAL HUMAN RESOURCES AND SAFETY

#### School of Psychology

Postgraduate Certificate in Organisational Human Resources and Safety (PgCertOHRs)

Course Codes: C1075

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 years part-time only

#### Availability:

- Murdoch campus (internal)
- This course is not available to international students studying in Australia on a student visa; it is available to international students on other visas if visa conditions allow.

The Postgraduate Certificate is relevant to those wishing to apply knowledge of organisational psychology in business, industrial and other organisational contexts. It is particularly appropriate as a second discipline area for graduates in Commerce, Law, Education, Sociology, and Environmental or Biological Science who intend working in an area requiring knowledge of: Job Assessment Methods, Performance Appraisal, Staffing, Human Resource Development, Training, Safety, Rehabilitation, Retirement, Retrenchment, Management of Change and Organisational Decision Making.

Although enrolment is open to graduates in any discipline, candidates should possess a functional understanding of statistics and research methods. Candidates holding a four-year psychology degree and who intend to pursue a career as a Registered Psychologist should normally enrol for the Master of Applied Psychology. However, those four-year psychology graduates who complete the Postgraduate Certificate, and who subsequently enrol in the Masters course will be given credit for relevant units completed. (Note that students without a four-year degree in Psychology are not eligible for admission to the Master of Applied Psychology).

The Postgraduate Certificate requires the completion of three core units and an elective unit. Although a number of electives are available, students are encouraged to consider completing an Independent Study Contract unit. This option offers the student the opportunity to apply and develop their learning in a practical work environment.

#### Employment Prospects:

This Postgraduate Certificate is available to graduates of any discipline, including psychology, who do not intend to pursue a career as a Registered Psychologist but who intend to work in an area where knowledge of organisational psychology human resources and safety will be of benefit. Employment prospects in these areas are currently very good.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, in any discipline preferably including quantitative or statistical skills.

English competence.

#### Articulation:

Units completed in this course may be used as advanced standing toward the Postgraduate Diploma in Consultancy Psychology or the

Master of Applied Psychology in Organisational Psychology.

### Course Structure - 12 credit points

#### Core Units - 9 credit points

PSY568 Human Resources -- 3 pts  
Murdoch: S1-internal

PSY512 Work and Well-being -- 3 pts  
Murdoch: S2-internal

PSY552 Organisation of Work -- 3 pts  
Murdoch: S2-internal

#### Specified Elective - at least 3 credit points

Select from the following:

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU645 Adult Learning in Education and Work -- 4 pts  
Murdoch: S2-external

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

EDU646 Cultural Diversity in Learning and Working -- 4 pts  
Murdoch: S1-internal, S1-external

PSY633 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

An Independent Study Contract at 500/600-level -- 3 or 4 pts

Other electives at 500/600-level may be substituted with permission from the Academic Chair.

## PHARMACY

### POSTGRADUATE CERTIFICATE IN PHARMACY ENTRY

#### School of Pharmacy

Postgraduate Certificate in Pharmacy Entry (PgCertPharmEnt)

Course Codes: C1077

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent (depending on unit selection)

#### Availability:

- Not available to new admissions 2011

The Postgraduate Certificate in Pharmacy Entry provides students without the prerequisites for direct entry into the Master of Pharmacy with the opportunity to complete these units. Units are taken in areas not previously studied in order to fulfil the prerequisite areas of Chemistry, Human Biology/Physiology, Biochemistry, Microbiology and Mathematics/Statistics.

#### Employment Prospects:

Designed to facilitate entry to the Master of Pharmacy degree for graduates with insufficient background for direct entry.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher in any Science, or equivalent training, and must not have completed equivalent units in that degree. Graduates with a Bachelor's degree other than in Science will be considered on a case-by-case basis.

English competence.

**Articulation:**

This course provides articulation into the Master of Pharmacy.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points**

This certificate is intended for students without the required background areas to apply for entry into the Master of Pharmacy. The five prerequisite areas are Chemistry, Human Biology/Physiology, Biochemistry, Microbiology and Mathematics and Statistics.

Depending on students' background it is possible that all areas will not need to be completed, nor all 12 points. However, if 12 points are completed, students will be eligible for this award.

The areas from which units must be selected are listed in students' letter of offer.

**Unit Prerequisites Must Also Be Satisfied**

Each of the units listed in this structure may have its own prerequisites. The prerequisites applicable to each unit can be seen in the Units section of the Handbook.

If students have not already satisfied the prerequisites for any of their selected units, they will need to complete the prerequisites prior to commencing study of the relevant unit(s).

For assistance with making unit selections, students can contact the Academic Chair.

**Specified Electives - at least 12 credit points**

Select units from each of the areas listed in the letter of offer:

**Chemistry**

PEC144 Chemical Principles -- 3 pts

**Human Biology/Physiology**

Select all units:

BMS107 Principles of Vertebrate Physiology -- 3 pts

BMS264 Biomedical Physiology -- 4 pts

**Biochemistry**

Select from the following:

PHA101 Fundamentals of Cell Function I -- 3 pts

AND

PHA102 Fundamentals of Cell Function II -- 3 pts

OR one of the following:

BMS261 Human and Comparative Biochemistry -- 4 pts

BIO270 Biochemistry I -- 4 pts

**Microbiology**

Select from the following:

PHA101 Fundamentals of Cell Function I -- 3 pts

AND

PHA102 Fundamentals of Cell Function II -- 3 pts

OR one of the following:

BMS203 Comparative and Human Microbiology -- 4 pts

BIO263 Microbiology I -- 4 pts

**Mathematics and Statistics**

MAS183 Statistical Data Analysis -- 3 pts

**POSTGRADUATE DIPLOMA IN PHARMACEUTICAL HEALTH SCIENCE****School of Pharmacy**

Postgraduate Diploma in Pharmaceutical Health Science  
(PgDipPharmHS)

Course Codes: P1058

Restriction: All postgraduate courses are subject to restriction

Duration: 3 trimesters (combination of full-time and part-time study)

**Availability:**

- Not available to new admissions 2011

The Postgraduate Diploma in Pharmaceutical Health Science will provide students with postgraduate education in the pharmaceutical industry as well as the opportunity to continue postgraduate studies by being able to articulate directly into the Master of Pharmacy.

**Employment Prospects:**

Employment in the pharmaceutical industry as a pharmaceutical or medical representative. For those currently employed in this industry it will provide opportunities for career advancement and further education at postgraduate level.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, and which includes the equivalent of three Murdoch points in the areas of chemistry, human biology/physiology, biochemistry, microbiology and mathematics/statistics. Students who need to fulfil prerequisite requirements can do so within this course. Graduates with degrees other than science will be considered on a case-by-case basis.

English competence.

**Special Requirements:**

Police clearance.

**Articulation:**

This course provides articulation into the Master of Pharmacy.

**Course Structure - 25 credit points****Core Units - 25 credit points**

PHA501 Pharmaceutical Chemistry I -- 3 pts

PHA511 Pharmaceutics I -- 3 pts

PHA521 Pharmacy Care -- 3 pts

PHA533 Pharmacology I -- 3 pts

PHA502 Pharmaceutical Chemistry II -- 3 pts

PHA512 Pharmaceutics II -- 4 pts

(This unit will start at the beginning of T2 and finish at the end of T3.)

PHA541 Pharmacy Practice I -- 3 pts

PHA531 Pharmacology II -- 3 pts

## For students intending to progress to the Master of Pharmacy

Students intending to progress to the Master of Pharmacy should also enrol into the following unit in Trimester 2 if they wish to complete the Masters degree within the standard duration:

PHA761 Evidence-Based Practice -- 2 pts

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## MASTER OF PHARMACY

### School of Pharmacy

Master of Pharmacy (MPharm)

Course Codes: M1130

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

### Availability:

- Not available to new admissions 2011

This course aims to produce graduates who will be professional in their approach to providing quality primary healthcare as pharmacists. The course concentrates on a strong grounding in the pharmaceutical sciences with key learning in the area of pharmacy practice with a strong practicum component. Flexible modes of delivery will be utilised and students will have been exposed to a wide variety of clinical experience in both hospitals and community settings prior to graduation. Emphasis will be placed on professional competence in providing high quality community pharmacists for registration in Australia.

### Employment Prospects:

Pharmacy is a profession with employment opportunities in community and hospital pharmacy, the pharmaceutical industry, academia, research and government. New opportunities to provide professional pharmacy services exist to further career satisfaction in urban and rural locations. Pharmacists in Australia enjoy a very high employment rate and a rate of pay that is competitive with other professions.

### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, in a scientific discipline is required. An equivalent of three Murdoch points in each of the following six areas should be included: Chemistry, Human Biology, Physiology/Pharmacology, Biochemistry, Microbiology, Mathematics/Statistics.

If the six areas were not covered it is possible to study appropriate units in order to satisfy the prerequisites and allow entry to this course. The Postgraduate Certificate in Pharmacy Entry is provided in order for students to gain a formal qualification whilst meeting the Master of Pharmacy prerequisites.

Graduates of the Bachelor of Pharmacy are not eligible for this course.

Students who do not have English as their first language must demonstrate English competence via an Academic IELTS overall score of 7.5, with no individual band less than 7.0.

### Special Requirements:

Domestic students (Australian citizens, permanent residents, permanent humanitarian visa holders, and New Zealand citizens) must also supply police clearance prior to enrolment in the Master of Pharmacy course, which is available from your local post office. International students are not required to provide a police clearance to the University because this is dealt with during the visa application process.

A current First Aid Certificate is advisable and will be required prior

to graduation.

### Professional Recognition:

For registration as a pharmacist in Western Australia students are required to undertake 2500 hours of supervised pharmacy employment; 500 hours are to be completed prior to graduation and 2000 hours after graduation. Other Australian states have similar requirements.

\* 500 hours can be completed before graduation and for those enrolled in the Master of Pharmacy can be started up to 3 months before the course starts. While finding a 500-hour position is the student's responsibility, Murdoch will provide assistance.

\* 2000 hours are undertaken in the year following successful completion of the Master of Pharmacy course. The Pharmaceutical Council of WA presents a series of seminars and workshops during this period. At the completion of the 2000 hours the Pharmaceutical Council of WA provides an oral exam which must be passed in order to be able to register as a Pharmacist. While finding a 2000-hour position is the student's responsibility, Murdoch will provide assistance.

See the Pharmaceutical Council of WA for more information on the supervised practical experience and for links to Pharmaceutical Authorities in other Australian states.

### Articulation:

A Biomedical Science degree articulates well into the Master of Pharmacy. Articulation from other science degrees is possible if elective units are chosen carefully to cover the six prerequisite areas. For those missing any of the areas, entry into the Master of Pharmacy can be facilitated via the Postgraduate Certificate in Pharmacy Entry.

### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

## Course Structure - 72 credit points

### Core Units - 72 credit points

#### First Trimester of Study -- Trimester 1

PHA501 Pharmaceutical Chemistry I -- 3 pts

PHA511 Pharmaceutics I -- 3 pts

PHA521 Pharmacy Care -- 3 pts

PHA533 Pharmacology I -- 3 pts

#### Second Trimester of Study -- Trimester 2

PHA502 Pharmaceutical Chemistry II -- 3 pts

PHA512 Pharmaceutics II -- 4 pts

(This unit will start at the beginning of T2 and finish at the end of T3.)

PHA541 Pharmacy Practice I -- 3 pts

PHA531 Pharmacology II -- 3 pts

PHA761 Evidence-Based Practice -- 2 pts

#### Third Trimester of Study -- Trimester 3

PHA651 Pharmacotherapeutics I -- 3 pts

PHA642 Pharmacy Practice II -- 4 pts

PHA603 Pharmaceutical Chemistry III -- 2 pts

#### **Fourth Trimester of Study -- Trimester 1**

PHA652 Pharmacotherapeutics II -- 4 pts

PHA643 Pharmacy Practice III -- 5 pts

PHA622 Molecular Therapeutics -- 2 pts

#### **Fifth Trimester of Study -- Trimester 2**

PHA753 Pharmacotherapeutics III -- 4 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 1)

PHA744 Pharmacy Practice IV -- 5 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 1)

PHA632 Pharmacology III -- 3 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 1)

#### **Sixth Trimester of Study -- Trimester 3**

PHA754 Pharmacotherapeutics IV -- 4 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 2)

PHA745 Pharmacy Practice V -- 5 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 2)

PHA762 Pharmacy Business Management -- 4 pts

NA 2011

(students who commenced study in Trimester 3, 2009 should enrol in this unit in Trimester 2)

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## **PHILOSOPHY**

### **See also:**

Ethics

Research Degrees--General

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## **GRADUATE CERTIFICATE IN PHILOSOPHY**

### **School of Social Sciences and Humanities**

Graduate Certificate in Philosophy (GradCertPhil)

Course Codes: C1060

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 semesters (depending on unit selection)

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Graduate Certificate in Philosophy offers students a structured group of units that explores fundamental philosophical issues while providing a rigorous training in critical and creative thinking. Students are able to specialise in particular areas of their choice including metaphysics, epistemology, philosophy of language, philosophy of mind, ethics and moral and political philosophy. The Certificate will provide a specialist qualification for qualified teachers who would like to take philosophy teaching in the post-compulsory secondary school years.

### **Employment Prospects:**

Secondary teaching and other vocations requiring a rigorous

training in thinking.

### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### **Main Research Areas:**

Metaphysics, Epistemology, Philosophy of Language, Philosophy of Mind, Moral and Political Philosophy, Continental Philosophy.

### **Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

## **Course Structure - 12 credit points**

### **Specified Electives - 12 credit points**

Select at least 8 points from the following:

PHL217 Meaning and Interpretation -- 4 pts  
NA 2011

PHL218 Critical Metaphysics -- 4 pts  
Murdoch: S2-internal, S2-external

PHL219 Ethics, Responsibility and Justice -- 4 pts  
Murdoch: S1-internal, S1-external

PHL230 Theories of Mind -- 4 pts  
Murdoch: S2-internal, S2-external

Plus no more than 4 points from the following:

PHL215 Love and Friendship -- 4 pts  
Murdoch: S1-internal, S1-external

PHL201 Existence and Freedom -- 4 pts  
Murdoch: S2-internal, S2-external

PHL277 Life, Death and Meaning -- 4 pts  
NA 2011

PHL216 Ancient Greek Ideas -- 4 pts  
NA 2011

PHL214 Film and Philosophy -- 4 pts  
Murdoch: S1-internal, S1-external

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## **PLANT BIOSECURITY**

### **GRADUATE CERTIFICATE IN PLANT BIOSECURITY**

#### **School of Biological Sciences and Biotechnology**

Graduate Certificate in Plant Biosecurity (GradCertPlantBiosec)

Course Codes: C1088

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time

### **Availability:**

- Murdoch campus (external)

Biosecurity is a growing field of activity for many professionals



involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats. Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with government representatives from Canada, the United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

**Employment Prospects:**

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State Biosecurity Agencies, Biosecurity Services, Plant Health Australia and private industry, or their international counterparts.

**Admission Requirements (Onshore):**

A Bachelor's degree or higher, or significant professional experience in plant biosecurity or a related discipline (for example entomology, plant pathology, quarantine).

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Internet access is required for all students. All material will be flexibly delivered using the latest online technology.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 12 credit points**

**Core Units - 6 credit points**

BIO537 Plant Biosecurity: Detection and Diagnostics -- 3 pts  
Murdoch: S1-external

BIO538 Plant Biosecurity in Practice -- 3 pts  
Murdoch: S1-external

**Specified Electives - 6 credit points**

Select two of the following:

OTH541 Biosecurity Plant Pests - Invertebrates (Queensland University of Technology NRN106) -- 3 pts equivalent  
Murdoch: S1-external

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) -- 3 pts equivalent  
Murdoch: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) -- 3 pts equivalent  
Murdoch: S1-external

**GRADUATE DIPLOMA IN PLANT BIOSECURITY**

**School of Biological Sciences and Biotechnology**

Graduate Diploma in Plant Biosecurity (GradDipPlantBiosec)

Course Codes: G1047

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time

**Availability:**

- Murdoch campus (external)

Biosecurity is a growing field of activity for many professionals involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats. Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with government representatives from Canada, the United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

**Employment Prospects:**

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State Biosecurity Agencies, Biosecurity Services, Plant Health Australia and private industry, or their international counterparts.

**Admission Requirements (Onshore):**

A Bachelor's degree or higher, or significant professional experience in plant biosecurity or a related discipline (for example entomology, plant pathology, quarantine).

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Internet access is required for all students. All material will be flexibly delivered using the latest online technology.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

**Early Exit:**

Graduate Certificate in Plant Biosecurity - 12 points (Semester One only).

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 24 credit points****Core Units - 18 credit points**

BIO537 Plant Biosecurity: Detection and Diagnostics -- 3 pts  
Murdoch: S1-external

BIO538 Plant Biosecurity in Practice -- 3 pts  
Murdoch: S1-external

OTH631 Invasion Biology (University of Adelaide PLANT SC 7022EX) -- 3 pts equivalent  
Murdoch: S2-external

OTH632 Risk Analysis (Queensland University of Technology NRN215) -- 3 pts equivalent  
Murdoch: S2-external

OTH633 Community Engagement (Charles Darwin University SBI401) -- 3 pts equivalent  
Murdoch: S2-external

OTH634 Policy Framework Obligations (Queensland University of Technology NRN200) -- 3 pts equivalent  
Murdoch: S2-external

**Specified Electives - 6 credit points**

Select from the following:

OTH541 Biosecurity Plant Pests - Invertebrates (Queensland University of Technology NRN106) -- 3 pts equivalent  
Murdoch: S1-external

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) -- 3 pts equivalent  
Murdoch: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) -- 3 pts equivalent  
Murdoch: S1-external

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**MASTER OF PLANT BIOSECURITY****School of Biological Sciences and Biotechnology**

Master of Plant Biosecurity (MPlantBiosec)

Course Codes: M1172

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time

**Availability:**

- Murdoch campus (external)

Biosecurity is a growing field of activity for many professionals involved in agriculture, the environment and international and domestic trade. This growth is driven by the need to maintain agricultural and environmental integrity in a world where, due to ever increasing levels of trade and human movement, exotic plant-affecting organisms pose major and ongoing threats. Biosecurity is central to the management of these threats, with a continuum of activities involving risk analysis, quarantine and surveillance to stop the entry of exotic organisms, rapid emergency response in the event of an exotic incursion, and then the management of pest organisms if they permanently establish and impact on trade.

This course has been developed in consultation with representatives from Canada, United States, New Zealand and Australia. Students graduating from the course can do so with the knowledge that their degree will meet the highest level of industry requirement.

**Employment Prospects:**

Graduates will be able to pursue careers in biosecurity, quarantine and pest management, acting in technical, research and administrative roles, with organisations such as the State Departments of Agriculture, State and Federal Biosecurity Agencies, Plant Health Australia and private industry, or their international counterparts.

**Admission Requirements (Onshore):**

A Bachelor's degree, however with significant professional experience in plant biosecurity or a related discipline (for example entomology, plant pathology, quarantine) applicants may enter at the Graduate Certificate level and progress to the Graduate Diploma then to the Master's.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Internet access is required for all students.

**Professional Recognition:**

Graduates will be eligible to apply for membership to societies such as the Australian Entomological Society, the Australian Plant Pathology Society, the Australian Ecological Society, the Australian Institute of Agricultural Science, the Australian Society of Horticultural Sciences and the Australian Society for Risk Analysis.

**Early Exit:**

Graduate Certificate in Plant Biosecurity - 12 points  
Graduate Diploma in Plant Biosecurity - 24 points

**Course Structure - 36 credit points****Core Units - 30 credit points**

BIO537 Plant Biosecurity: Detection and Diagnostics -- 3 pts  
Murdoch: S1-external

BIO538 Plant Biosecurity in Practice -- 3 pts  
Murdoch: S1-external

BIO629 Plant Biosecurity Masters Research Dissertation -- 12 pts  
Murdoch: S1-external, S2-external

OTH631 Invasion Biology (University of Adelaide PLANT SC 7022EX) -- 3 pts equivalent  
Murdoch: S2-external

OTH632 Risk Analysis (Queensland University of Technology NRN215) -- 3 pts equivalent  
Murdoch: S2-external

OTH633 Community Engagement (Charles Darwin University SBI401) -- 3 pts equivalent  
Murdoch: S2-external

OTH634 Policy Framework Obligations (Queensland University of Technology NRN200) -- 3 pts equivalent  
Murdoch: S2-external

**Specified Electives - 6 credit points**

Select from the following:

OTH541 Biosecurity Plant Pests - Invertebrates (Queensland University of Technology NRN106) -- 3 pts equivalent  
Murdoch: S1-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

OTH542 Biosecurity Plant Pests - Pathogens (La Trobe University BOT5BPP) -- 3 pts equivalent  
Murdoch: S1-external

OTH543 Biosecurity Plant Pests - Weeds (University of Adelaide PLANT SC 7023EX) -- 3 pts equivalent  
Murdoch: S1-external

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## POLICY STUDIES

### **See also:**

Development Studies  
Public Policy

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## POSTGRADUATE CERTIFICATE IN SUSTAINABILITY

### **School of Sustainability**

Course Codes: C1091

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent (depending on unit selection)

### **Availability:**

- Murdoch campus (internal) (only some internal units available for the specialisation in Social Research and Evaluation)
- Murdoch campus (external)

This course is available in the following areas of specialisation:

Development Studies  
Ecologically Sustainable Development  
Education for Sustainability  
Environmental Ethics  
Local Governance  
Public Policy  
Social Research and Evaluation  
Sustainable Urban and Regional Planning

Development Studies is designed to serve the advanced needs of teachers, journalists, development consultants and other professionals currently working in or seeking employment in government and private sector organisations concerned with development assistance, and the relationship between people, environments and economies in the global system.

Ecologically Sustainable Development is designed to explore the policies, issues and processes of ecologically sustainable development (ESD). Students have the opportunity to study the current status, the history and the value bases of sustainable development, together with the policy approaches that are emerging for sustainability in the various sectors such as energy, industry, the household, agriculture, and fisheries. The required units provide a background to the policy, economic and ethical frameworks through which ESD is currently being explored and implemented. They provide the student with the tools for interpreting ESD issues and for applying them in practice.

Education for Sustainability focuses on changing the current ways of using natural resources, caring for the social environment and dealing with economic disparities. The course is aimed at education in all contexts, and by taking a holistic approach it addresses complex issues such as energy, water use, waste, sustainable production and consumption, biodiversity, land management, indigenous knowledge, disaster reduction, corporate responsibility, equity and social justice, redefining the meaning of progress.

Environmental Ethics is designed for people who want to pursue the foundations of global and local environmental issues. There is

widespread understanding of how ethics influences many social outcomes. Environmental problems and their resolution can be related to philosophical traditions, spiritual traditions, new insights from ecofeminism and old insights from indigenous philosophies.

Local Governance will provide students with the theory and practice related to governance at a local level. It will integrate theory from public policy, sustainability, business and community development to emphasise partnerships and bottom-up approaches to change. Units can be chosen to emphasise more of the theory or the practice via a placement in local government.

Public Policy is built around required units in economics, public policy and public administration. There is also space to take elective units to allow students the opportunity to follow subjects relevant to their experience and interests.

Social Research and Evaluation is designed to develop knowledge of particular methods and procedures of social research and program evaluation, and in the interpretation of information from such research in areas such as health, education, welfare, criminal justice, psychology, disability services, and other areas with social programs and policies.

Sustainable Urban and Regional Planning is designed to meet the needs of students from a range of disciplines who wish to pursue careers in urban and regional planning or related policy areas involving urban and regional sustainability. Units examine the institutional and legal framework for planning, and address the main policy challenges involved in planning sustainable communities. Issues covered include transport and land use, housing and infrastructure, community economic and cultural development, and social equity. Emphasis is placed on the acquisition of important planning competencies, and recognition is also given to the need for broad training in public policy, ethics, and economics as a basis for decision making. This specialisation is global in scope with a focus on the burgeoning cities of Asia.

### **Employment Prospects:**

Development Studies will enhance practitioners' qualifications and open opportunities for those interested in social research and working in industry areas such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance.

Ecologically Sustainable Development is particularly relevant to professionals in government, business and civil society working in environmental policy and management, local sustainability issues and international development.

Potential employment areas for students specialising in Education for Suitability are the educational sector (at all levels, including primary and secondary schools, vocational education and training, university) as well as government, non-government and private sector organisations which work towards a change in culture related to sustainability issues.

Environmental Ethics is able to provide clarity and inspiration for professionals, people active in civil society and public servants in many discipline areas of relevance to the environment.

Local Governance: although concentrating on local government the specialisation is of relevance to non-government organisations and business as it is based on partnerships and integration at local level.

Public Policy is designed for people intending either to follow a managerial career in the public sector or who already have experience in that sector. This will include those in, or intending to enter, federal or state public service, local government, educational or health administration and related fields.

Social Research and Evaluation prepares graduates for careers in the public and private sectors for positions including research and development, evaluation or policy officers, undertaking responsibility for the conduct and commissioning of social research and evaluation studies, or utilising information from such studies.

Sustainable Urban and Regional Planning aims to provide the knowledge and skills needed to pursue a career in urban and regional planning, or related professions in policy areas ranging from transport, engineering, health, local economic development, cultural planning, the environment and architecture, to public administration, as well as land development within the private sector and community-oriented work.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, not necessarily in an area directly related to the proposed course. Preparation through work experience will also be considered.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Articulation:**

This Certificate may be used for credit towards the Postgraduate Diploma in Policy Studies.

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**Development Studies Specialisation**

**Course Structure - 12 credit points**

**Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

Select from the following:

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 4 credit points**

Select from the following or from any of the Core Units not completed:

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

AST558 Women in Asian Societies -- 4 pts  
Murdoch: S2-internal, S2-external

POL657 Authoritarianism and Democracy in Asia -- 4 pts  
Murdoch: S2-internal, S2-external

Other elective units may be selected from the Master of Arts in Development Studies, after consultation with the Academic Chair.

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**Ecologically Sustainable Development Specialisation**

**Course Structure - 12 credit points**

**Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 4 credit points**

Select from the following:

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

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**Education for Sustainability Specialisation**

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

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**Environmental Ethics Specialisation**

**Course Structure - 12 credit points**

**Core Units - 4 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

Other elective units may be selected subject to the approval of the Academic Chair.

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### **Local Governance Specialisation**

#### **Course Structure - 12 credit points**

##### **Core Units - 12 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

POL530 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

STP6321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

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### **Public Policy Specialisation**

#### **Course Structure - 12 credit points**

##### **Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

\* MBS562 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

##### **Specified Electives - 4 credit points**

Select from the following:

POL660 Modern Theories of the State -- 4 pts  
NA 2011

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

\* Students should note that this unit assumes knowledge equivalent to BUS161 Introduction to Economics -- 3 pts. Students should ensure that they are familiar with introductory texts in micro- and macroeconomics. Students with further queries should contact the Unit Coordinator.

Students may also select a relevant elective from the Postgraduate Diploma in Policy Studies (Public Policy) or the Master of Arts in Public Policy subject to the approval of the Academic Chair.

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### **Social Research and Evaluation Specialisation**

#### **Course Structure - 12 credit points**

##### **Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

OR

EDU603 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### **Specified Electives - 4 credit points**

Select from the following:

EDU639 Quantitative Approaches to Research -- 4 pts  
Murdoch: S2-external

EDU643 Qualitative Approaches to Research -- 4 pts  
Murdoch: S2-internal, S2-external

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

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### **Sustainable Urban and Regional Planning Specialisation**

#### **Course Structure - 12 credit points**

##### **Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

OR

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP645 Sustainable Urban Design -- 4 pts  
NA 2011

OR

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

##### **Specified Electives - 4 credit points**

Select from the following or from the Core Units not already completed:

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

OR

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

STP6321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

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## **POSTGRADUATE DIPLOMA IN SUSTAINABILITY**

### **School of Sustainability**

Course Codes: P1065

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal) (only some internal units available for specialisation in Social Research and Evaluation)

- Murdoch campus (external)

The areas of specialisation available for study in this course are:

Sustainable Urban and Regional Planning  
Education for Sustainability  
Development Studies  
Ecologically Sustainable Development  
Environmental Ethics  
Local Governance  
Public Policy  
Social Research and Evaluation

Sustainable Urban and Regional Planning is designed to meet the needs of students from a range of disciplines who wish to pursue careers in urban and regional planning or related policy areas involving urban and regional sustainability. Units examine the institutional and legal framework for planning, and address the main policy challenges involved in planning sustainable communities. Issues covered include transport and land use, housing and infrastructure, community economic and cultural development, and social equity. Emphasis is placed on the acquisition of important planning competencies, and recognition is also given to the need for broad training in public policy, ethics, and economics as a basis for decision making. This specialisation is global in scope with a focus on the burgeoning cities of Asia.

Education for Sustainability focuses on changing the current ways of using natural resources, caring for the social environment and dealing with economic disparities. The course is aimed at education in all contexts, and by taking a holistic approach, it addresses complex issues such as energy, water use, waste, sustainable production and consumption, biodiversity, land management, indigenous knowledge, disaster reduction, corporate responsibility, equity and social justice, redefining the meaning of progress.

Development Studies enables students to approach the complex issues related to contemporary processes of globalisation, economic and social development from an interdisciplinary perspective. It forms the first half of the Master of Arts in Development Studies.

Ecologically Sustainable Development is designed to explore the policies, issues and processes of ecologically sustainable development (ESD). Students have the opportunity to study the current status, the history and the value bases of sustainable development, together with the policy approaches that are emerging for sustainability in various sectors such as energy, industry, the household, agriculture, and fisheries. The required units provide a background to the policy, economic and ethical frameworks through which ESD is currently being explored and implemented. They provide the student with the tools for interpreting ESD issues and for applying them in practice.

The Environmental Ethics specialisation is designed for people who want to pursue the foundations of global and local environmental issues. There is widespread understanding of how ethics influences many social outcomes. Environmental problems and their resolution can be related to philosophical traditions, spiritual traditions, new insights from ecofeminism and old insights from indigenous philosophies.

Local Governance will provide students with the theory and practice related to governance at a local level. It will integrate theory from public policy, sustainability, business and community development to emphasise partnerships and bottom-up approaches to change. Units can be chosen to emphasise more of the theory or the practice via a placement in local government.

Public Policy is built around required units in economics, public policy and public administration. There is also space to take elective

units to allow students the opportunity to follow subjects relevant to their experience and interests.

Social Research and Evaluation is designed to develop the knowledge and skills required for the commissioning and conduct of research and evaluation studies in health education, welfare, criminal justice, psychology, disability services, and other areas with social programs and policies.

#### **Employment Prospects:**

Sustainable Urban and Regional Planning aims to provide the knowledge and skills needed to pursue a career in urban and regional planning, or related professions in policy areas ranging from transport, engineering, health, local economic development, cultural planning, the environment and architecture, to public administration, as well as land development within the private sector and community-oriented work.

Potential employment areas are the educational sector (at all levels, including primary and secondary schools, VET, university) as well as government, non-government and private sector organisations which work towards a change in culture related to sustainability issues.

Development Studies will enhance practitioners' qualifications and open opportunities for those interested in social research and working in industry areas such as community and social services, local government, overseas aid work, economic and social planning, sustainable development and Indigenous governance. It is designed to service the advanced needs of teachers, journalists, development consultants and those currently working or seeking employment in government and private sector organisations concerned with environmental protection, development assistance, human rights, and the relationships between trade, capital and people in the global system.

Ecologically Sustainable Development is particularly relevant to professionals in government, business and civil society working in environmental policy and management, local sustainability issues and international development.

Environmental Ethics is able to provide clarity and inspiration for professionals, people active in civil society and public servants in many discipline areas of relevance to the environment.

Local Governance: although concentrating on local government the qualification is of relevance to non-Government organisations and business as it is based on partnerships and integration at local level.

Public Policy is designed for people intending either to follow a managerial career in the public sector or who already have experience in that sector. This will include those in, or intending to enter, federal or state public service, local government, educational or health administration and related fields.

Social Research and Evaluation prepares graduates for careers in the public and private sectors for positions including research and development, evaluation or policy officers, undertaking responsibility for the conduct and commissioning of social research and evaluation studies, or utilising information from such studies.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, although not necessarily in an area directly related to the proposed course or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

University Postgraduate Coursework regulations require completion of units at 500-level or higher for postgraduate diplomas. Where units are double-coded, students should ensure their selections fulfil this requirement.

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**Sustainable Urban and Regional Planning Specialisation**

**Course Structure - 24 credit points**

**Core Units - 24 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP645 Sustainable Urban Design -- 4 pts  
NA 2011

OR

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

STP6321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

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**Education for Sustainability Specialisation**

**Course Structure - 24 credit points**

**Core Units - 16 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 8 credit points**

Select from the following:

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts

Murdoch: S2-internal, S2-external

STP6321 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

ALS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

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**Development Studies Specialisation**

**Course Structure - 24 credit points**

**Core Units - 8 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

Select from the following:

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 16 credit points**

Select from the following or from the Core Units not already completed:

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP640 Special Topics in Sustainable Development -- 4 pts  
Topic not currently offered

SSH629 Ethnic Diversity and Ethnic Conflict -- 4 pts  
Murdoch: S2-internal, S2-external

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

MBS593 Chinese Economy -- 4 pts  
Murdoch: W-internal, W-external

STP633 Disasters and Risk Management -- 4 pts  
Murdoch: UA2-internal

SSH601 Special Topics in Development Studies: Working in Aid and Development -- 4 pts  
Murdoch: W3-internal

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

AST558 Women in Asian Societies -- 4 pts

Murdoch: S2-internal, S2-external

MCC511 Gender, Globalisation and Cultural Politics -- 4 pts

Murdoch: S2-internal, S2-external

COD655 Community and Social Policy -- 4 pts

Murdoch: S1-internal, S1-external

MCC540 Politics, Journalism and Society -- 4 pts

Murdoch: S2-internal

ALS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

PHL472 Ethics in Practice -- 4 pts

Murdoch: S2-internal, S2-external

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts

Murdoch: S2-internal, S2-external

Other electives may be selected from the Master of Arts in Development Studies, after consultation with the Academic Chair.

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### ***Ecologically Sustainable Development Specialisation***

#### **Course Structure - 24 credit points**

##### **Core Units - 12 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP612 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

STP670 Policy, Technology and Democracy -- 4 pts

Murdoch: S2-internal, S2-external

##### **Specified Electives - 12 credit points**

Select from the following:

STP606 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

STP630 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

STP618 Honours and Masters Research Seminar -- 4 pts

Murdoch: S1-internal, S1-external

STP604 Overseas Aid and International Development -- 4 pts

Murdoch: S1-internal, S1-external

STP605 Economics for Sustainability -- 4 pts

Murdoch: W3-internal, W3-external

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### ***Environmental Ethics Specialisation***

#### **Course Structure - 24 credit points**

##### **Core Units - 16 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP606 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

Plus 8 points from the following:

STP670 Policy, Technology and Democracy -- 4 pts

Murdoch: S2-internal, S2-external

ENV512 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

##### **Specified Electives - 8 credit points**

Select from the following or from the Core Units not already completed:

POL613 Gender and Development -- 4 pts

NA 2011

STP630 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

STP604 Overseas Aid and International Development -- 4 pts

Murdoch: S1-internal, S1-external

or other units subject to the approval of the Academic Chair.

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### ***Local Governance Specialisation***

#### **Course Structure - 24 credit points**

##### **Core Units - 16 or 20 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts

Murdoch: S2-internal, S2-external

POL530 Public Policy Analysis -- 4 pts

Murdoch: S2-internal, S2-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP612 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

##### **Specified Electives - 4 or 8 credit points**

Select from any units not completed above or from the following:

STP645 Sustainable Urban Design -- 4 pts

NA 2011

STP630 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

STP670 Policy, Technology and Democracy -- 4 pts

Murdoch: S2-internal, S2-external

MBS671 Effective Leadership -- 4 pts

Murdoch: S1-internal, S1-external

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year

T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3



COD535 Community Work across Sites, Settings and Peoples -- 4 pts  
Murdoch: S2-internal, S2-external

Or other units in consultation with the Academic Chair.

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### **Public Policy Specialisation**

#### **Course Structure - 24 credit points**

##### **Core Units - 8 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for substitutes.

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

\* MBS562 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

##### **Specified Electives - 16 credit points**

Select from the following:

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

COD634 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

COD624 Projects in Community Development -- 4 pts  
Murdoch: S2-internal, S2-external

MCC637 Cultural and Media Policy -- 4 pts  
Murdoch: S1-internal, S1-external

POL585 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

POL697 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

POL660 Modern Theories of the State -- 4 pts  
NA 2011

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

\* Students should note that this unit assumes knowledge equivalent to BUS161 Introduction to Economics -- 3 pts. Students should ensure that they are familiar with introductory texts in micro- and macroeconomics. Students with further queries should contact the Unit Coordinator.

Students may also select further relevant electives from the Master of Arts in Public Policy and other related Postgraduate Diploma and Masters courses, subject to the approval of the Academic Chair.

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### **Social Research and Evaluation Specialisation**

#### **Course Structure - 24 credit points**

##### **Core Units - 8 credit points**

Students who have already completed any of the Core Units below should contact the Academic Chair for substitutes.

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

OR

EDU603 Introduction to Research for Educators -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

##### **Specified Electives - 16 credit points**

EDU639 Quantitative Approaches to Research -- 4 pts  
Murdoch: S2-external

EDU643 Qualitative Approaches to Research -- 4 pts  
Murdoch: S2-internal, S2-external

EDU670 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

With permission of the Academic Chair, students may include in their program of studies a research or evaluation practicum, an Independent Study Contract, or a unit from outside this list of units.

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## **PROFESSIONAL ACCOUNTING**

**See also:**  
Accounting

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### **POSTGRADUATE DIPLOMA IN PROFESSIONAL ACCOUNTING**

#### **Murdoch Business School**

*Postgraduate Diploma in Professional Accounting (PgDipProfAcc)*

Course Codes: P1063

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The Postgraduate Diploma in Professional Accounting is a fully specified course providing professional membership qualifications in the accounting profession. Students will study eight core postgraduate units over a period of 18 months full-time or equivalent in part-time study.

The course provides an opportunity for successful graduates to gain employment in the business field specialising in accounting. It is a platform for those students wishing to develop a professional career that is both well-paid and provides both national and international working opportunities.

#### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

#### **Professional Recognition:**

Associate membership status with one of the professional accounting bodies: the Institute of Chartered Accountants (ICA).

#### **Course Structure - 32 credit points**

**Core Units - 32 credit points**

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS632 Corporate Accounting -- 4 pts  
Murdoch: S2-internal

MBS653 Accounting Processes -- 4 pts  
Murdoch: S1-internal, S2-internal

MBS502 Law for Business -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS514 Taxation -- 4 pts  
Murdoch: S2-internal

MBS627 Management Accounting -- 4 pts  
Murdoch: S1-internal

MBS634 Auditing -- 4 pts  
Murdoch: S1-internal

**PSYCHOLOGY****See also:**

Counselling  
Organisational Human Resources and Safety

**POSTGRADUATE DIPLOMA IN CONSULTANCY PSYCHOLOGY****School of Psychology**

Postgraduate Diploma in Consultancy Psychology (PgDipConsultPsych)

Course Codes: P1047

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This course is designed to provide candidates with advanced skills and knowledge in organisational psychology and consulting practice. The course is suitable for individuals who wish to establish themselves as consultants to business and other forms of organisations or work within organisations in consulting relationships. The curriculum combines a range of postgraduate organisational psychology units with elective options drawn from the areas of psychology, counselling and business. Credit for relevant units completed is transferable should a candidate later enrol in the Master of Applied Psychology.

**Employment Prospects:**

Excellent prospects for employment. This course is designed to provide candidates with advanced skills and knowledge in organisational psychology and consulting practice. The course is suitable for individuals who wish to establish themselves as consultants to business and other forms of organisations or work within organisations in consulting relationships.

**Admission Requirements (Onshore):**

Recognised three- or four-year degree in Psychology, or a Bachelor's degree in another discipline combined with at least one year of relevant work or study experience. Note that some elective units in this course are only available to candidates who have completed a four-year degree in Psychology or its equivalent.

English competence.

**Articulation:**

Units completed in the Postgraduate Certificate in Organisational Human Resources and Safety may be used as advanced standing toward the Postgraduate Diploma in Consultancy Psychology or the Master of Applied Psychology in Organisational Psychology.

Relevant units completed in the Postgraduate Diploma in Consultancy Psychology may be used as advanced standing toward the Master of Applied Psychology in Organisational Psychology where candidates meet admission requirements.

**Course Structure - 24 credit points****Core Units - 12 credit points**

PSY568 Human Resources -- 3 pts  
Murdoch: S1-internal

PSY512 Work and Well-being -- 3 pts  
Murdoch: S2-internal

PSY552 Organisation of Work -- 3 pts  
Murdoch: S2-internal

PSY563 Professional Practice and Organisational Consulting -- 3 pts  
Murdoch: Y-internal

**Specified Electives - 12 credit points**

Select from the following units. At least one unit must be from the Psychology list and no more than 8 points may be from the General list.

**Psychology List**

PSY531 Counselling: Principles of Counselling 1 -- 3 pts  
NA 2011

PSY532 Counselling: Principles of Counselling 2 -- 3 pts  
Murdoch: S2-internal

PSY570 Organisational Psychology: Practicum I -- 6 pts  
Murdoch: Y-internal  
(Available only to those with a 4-year psychology degree or equivalent)

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal  
(Available only to those with a 4-year psychology degree or equivalent)

PSY633 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

An Independent Study Contract at 500/600-level -- 3 or 4 pts

**General List**

MBS513 Accounting for Managers -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS507 Strategic Marketing Management -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS605 Business Finance -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

MBS502 Law for Business -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

Other electives with the permission of the Academic Chair.

**POSTGRADUATE DIPLOMA IN PSYCHOLOGY****School of Psychology**

Postgraduate Diploma in Psychology (PgDipPsych)

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

Course Codes: P1044

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Postgraduate Diploma in Psychology provides a fourth-year of study in Psychology for graduates who already have completed a three-year undergraduate degree in Psychology. The Diploma thus assists people who wish to meet the minimum educational qualification requirements for registration to work as a psychologist. Students in the Diploma must complete coursework at an advanced level as well as a group-based research project written up as a thesis.

**Employment Prospects:**

Students who complete this Diploma will have satisfied the minimum educational requirements for registration to work as a psychologist in Western Australia (provided that their undergraduate degree is from an accredited psychology program), and will also be eligible to apply for entry into relevant Master courses in applied psychology. Graduates will be able to work in many areas of psychology and the helping professions.

**Admission Requirements (Onshore):**

Recognised three-year Bachelor's degree in Psychology from an accredited program. Some students may be required to complete additional units to satisfy specified unit prerequisites.

English competence.

**Professional Recognition:**

The course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Western Australian Psychologists' Registration Board.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 24 credit points**

**Core Units - 12 credit points**

PSY441 Psychology: Fourth Year Project -- 8 pts  
Murdoch: H-internal, Y-internal

PSY412 Psychology: Fourth Year Seminar -- 4 pts  
Murdoch: S1-internal

**Specified Electives - 12 credit points**

Select from the following:

PSY431 Psychology: Principles of Psychological Assessment -- 4 pts  
Murdoch: S1-internal

PSY433 Psychology: Program Evaluation Methods -- 4 pts  
Murdoch: S1-internal

PSY434 Psychology: Industrial and Organisational Issues -- 4 pts  
Murdoch: S2-internal

PSY436 Psychology: Principles and Processes of Interventions -- 4 pts  
Murdoch: S2-internal

PSY444 BPsych Practical Placements -- 4 pts  
Murdoch: S1-internal (quota of 40 places), S2-internal (quota of 40 places)

**MASTER OF APPLIED PSYCHOLOGY + DOCTOR OF PHILOSOPHY**

**School of Psychology**

Master of Applied Psychology (MAppPsych)  
+ Doctor of Philosophy (PhD)

Course Codes: D1028; M1156; M1157

Restriction: All postgraduate courses are subject to restriction

Duration: 4 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This combined course is offered to students wishing to combine professional training at Master's level in Clinical or Organisational Psychology with compatible research at the PhD level. It combines a thorough professional training in the chosen area of specialisation with the high level of research training associated with doctoral-level studies.

The course allows students to fulfil the requirements of both the relevant Masters degree and the PhD. Students who have a strong academic record demonstrating particular strength in the area of research may be considered for entry.

Candidates will normally complete the full first year of the Masters course before going on to enrol in the PhD for the second, third and fourth years. Students are exempted from the Masters thesis requirement and normally complete a 12-point external placement unit concurrently with the PhD commitment. Whilst candidates are advised to complete the first year of the Masters course in advance of beginning the PhD, it is possible to begin with the latter.

There are two Masters courses available: in Clinical Psychology and in Organisational Psychology. Coursework is selected and placements organised according to the area of specialisation. It is a requirement that the topic of the PhD must relate to the area of specialisation.

This course adheres to a scientist-practitioner model that stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual, organisational, community and system levels. It is a professional qualification in Applied Psychology leading to employment in the health, educational, occupational, ergonomic and community areas, which meets international standards. The course also develops students to be expert researchers in their chosen area of expertise.

**Employment Prospects:**

Job prospects for psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice as a registered psychologist, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

**Admission Requirements (Onshore):**

At least a recognised and accredited Honours IIA degree or higher, or equivalent training, in Psychology.

Students with overseas qualifications who are accepted into the course and who wish to seek registration in Australia after graduation should ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology.

Applicants must apply simultaneously for entry to both the MAppPsych and the PhD. Unsuccessful applicants for both courses may still be considered for entry to either course on its own. Candidates enrolled in the first year of the MAppPsych may apply for transfer into this course. The admission process includes both application and interview.

English competence.

**Special Requirements:**

As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. In addition, if working with children a separate screening by the Department of Community Development is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other types of behaviour. The student must meet the cost of obtaining these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

**Professional Recognition:**

The course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Western Australian Psychologists' Registration Board. Graduates will be eligible for direct registration as psychologists with the WA Psychologists' Registration Board.

**Other Facilities and Services:**

Murdoch University has a Psychology Clinic, the Counselling Psychology Consulting Service and the Organisational Psychology Consulting Service to act as practical training facilities and community services.

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## Clinical Psychology

### Course Structure

#### First Year - 24 credit points

**Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY564 Clinical Psychology: Working with Children and Families -- 3 pts  
Murdoch: S1-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

PSY502 Clinical Psychology: Working with Health Problems -- 3 pts  
Murdoch: S2-internal

PSY567 Clinical Psychology: Developmental Disabilities -- 3 pts  
Murdoch: S2-internal

PSY569 Psychotherapy in Practice -- 3 pts  
Murdoch: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) -- 3 pts  
Murdoch: SUM-internal, Y-internal

PSY538 Clinical Psychology: Internal Practicum (Adult) -- 3 pts  
Murdoch: SUM-internal, Y-internal

### Second, Third and Fourth Years

Students are required to enrol concurrently in PSY755 Psychology: Advanced Thesis Research Methods with their first enrolment in PSY920 Research Studies -- Psychology.

PSY920 Research Studies -- Psychology

PSY755 Psychology: Advanced Thesis Research Methods -- 0 pts  
Murdoch: Y-internal

PSY604 Clinical Psychology: External Practicum -- 12 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

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## Organisational Psychology

### Course Structure

#### First Year - 24 credit points

**Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY568 Human Resources -- 3 pts  
Murdoch: S1-internal

PSY570 Organisational Psychology: Practicum I -- 6 pts  
Murdoch: Y-internal

PSY512 Work and Well-being -- 3 pts  
Murdoch: S2-internal

PSY563 Professional Practice and Organisational Consulting -- 3 pts  
Murdoch: Y-internal

PSY552 Organisation of Work -- 3 pts  
Murdoch: S2-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

### Second, Third and Fourth Years

PSY920 Research Studies -- Psychology

PSY603 Organisational Psychology: Practicum II -- 12 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

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## MASTER OF APPLIED PSYCHOLOGY IN CLINICAL PSYCHOLOGY

### School of Psychology

Master of Applied Psychology (MAppPsych) in Clinical Psychology

Course Codes: M1156

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This professionally-accredited course adheres to a scientist-practitioner model which stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual and system levels.

The course consists of two years of full-time study or may be undertaken on a part-time basis over not more than eight years. The course includes coursework, practicum, and research components which will qualify them as clinical psychologists at Master's degree level.

Candidates undertake at least three approved placements. The

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Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

University cooperates with the Commonwealth and State Public Services, such as the Department of Health, Department for Community Development, Department of Justice, Disability Services Commission, WA Police Service and other public and private services and facilities in Western Australia. Candidates must include at least one placement in an adult clinical facility, one in a child clinical facility, and one in a rehabilitation facility; two of these placements must be external to the University.

**Employment Prospects:**

Job prospects for psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice as a registered psychologist, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

**Admission Requirements (Onshore):**

Recognised and accredited Bachelor of Arts degree (or Bachelor of Science degree) with Honours in Psychology, or a Bachelor of Psychology four-year degree, or higher, or equivalent training.

Students with overseas qualifications who are accepted into the course and who wish to seek registration in Australia after graduation should ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology.

The admission process includes both application and interview.

English competence.

**Special Requirements:**

Post graduate students must be registered from the start of their higher degree as a provisional psychologist. Within the first two weeks of commencing the program, the student must gain provisional registration with Psychology Board of Australia. As many agencies require all staff working with their clients or patients to have a police clearance, applicants are required to obtain a Federal police clearance (which will include WA clearance). In addition, if working with children a separate screening by the Department of Community Development is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The applicant meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

**Professional Recognition:**

This course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Western Australian Psychologists' Registration Board.

**Admission to Doctor of Psychology and combined MAppPsych/PhD:**

Students who complete the first year of the Master of Applied Psychology may apply to transfer to the Doctor of Psychology and will be exempt from the units already completed which are common to both degrees. During their first year of study, students may also apply for enrolment in a PhD and if accepted may enter the combined MAppPsych/PhD course.

**Other Facilities and Services:**

Murdoch University has a Psychology Clinic to act as a practical training facility.

**Course Structure - 48 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Clinical Psychologists.

**First Year - 24 credit points**

**Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) -- 3 pts  
Murdoch: SUM-internal, Y-internal

PSY538 Clinical Psychology: Internal Practicum (Adult) -- 3 pts  
Murdoch: SUM-internal, Y-internal

PSY564 Clinical Psychology: Working with Children and Families -- 3 pts  
Murdoch: S1-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

PSY567 Clinical Psychology: Developmental Disabilities -- 3 pts  
Murdoch: S2-internal

PSY569 Psychotherapy in Practice -- 3 pts  
Murdoch: Y-internal

PSY502 Clinical Psychology: Working with Health Problems -- 3 pts  
Murdoch: S2-internal

**Second Year - 24 credit points**

**Core Units - 24 credit points**

PSY655 Psychology: Advanced Thesis Research Methods -- 2 pts  
Murdoch: Y-internal

PSY690 Applied Psychology Dissertation -- 10 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

PSY604 Clinical Psychology: External Practicum -- 12 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

**MASTER OF APPLIED PSYCHOLOGY IN ORGANISATIONAL PSYCHOLOGY**

**School of Psychology**

*Master of Applied Psychology (MAppPsych) in Organisational Psychology*

Course Codes: M1157

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

This professionally-accredited course adheres to a scientist-practitioner model which stresses a systematic problem-solving approach. Its objective is to prepare psychologists who are skilled in individual casework and can apply their skills and knowledge to prevention, research, development, and evaluation at the individual, organisational and system levels.

The course consists of two years of full-time study or may be undertaken on a part-time basis over not more than eight years. The course includes coursework, practicum, and research components. Candidates will cover core and optional aspects in their course, which will qualify them as organisational psychologists at Master's degree level.

Candidates undertake at least three approved placements. The University cooperates with the Commonwealth and State Public Services, such as the Department of Health, Department of Consumer and Employment Protection, Department for Community Development, Department of Justice, Education Department of Western Australia, Disability Services Commission, WA Police Service and other public and private services and facilities in Western Australia. Experience in other community psychological areas such as rehabilitation and social service is also available. Candidates must include four placements, three of which must be conducted in external public or private organisations.

**Employment Prospects:**

Job prospects for psychologists are very good; employment growth is expected to be strong following recent government initiatives. On graduation from this course, students will be highly employable in a wide variety of areas, including private practice as a registered psychologist, and working in various public and private sector agencies in areas such as health, community development, justice, education, and disabilities.

**Admission Requirements (Onshore):**

Recognised and accredited Bachelor of Arts degree (or Bachelor of Science degree) with Honours in Psychology, or a Bachelor of Psychology four-year degree, or higher, or equivalent training.

Students with overseas qualifications who are accepted into the course and who wish to seek registration in Australia after graduation should ensure that their undergraduate qualifications meet the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology.

The admission process includes both application and interview.

English competence.

**Special Requirements:**

As many agencies require all staff working with their clients or patients to have a police clearance, applicants are required to obtain a Federal police clearance (which will include WA clearance). In addition, if working with children a separate screening by the Department of Community Development is required. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The applicant meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these records if required.

**Professional Recognition:**

This course is fully accredited by the Australian Psychology Accreditation Council (APAC), and is recognised as such by the Australian Psychological Society (APS) and the Western Australian Psychologists' Registration Board.

**Articulation:**

Relevant units completed in the Postgraduate Certificate in Organisational Human Resources and Safety or the Postgraduate Diploma in Consultancy Psychology may be used as advanced standing toward the Master of Applied Psychology in Organisational Psychology.

**Admission to Doctor of Psychology and combined MAppPsych/PhD:**

Students who complete the first year of the Master of Applied Psychology may apply to transfer to the Doctor of Psychology and will be exempt from the units already completed which are common to both degrees. During their first year of study, students may also apply for enrolment in a PhD and if accepted may enter

the combined MAppPsych/PhD course.

**Other Facilities and Services:**

Murdoch University has a Psychology Clinic, the Counselling Psychology Consulting Service and the Organisational Psychology Consulting Service to act as practical training facilities and community services.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Organisational Psychologists.

**First Year - 24 credit points**

**Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY570 Organisational Psychology: Practicum I -- 6 pts  
Murdoch: Y-internal

PSY563 Professional Practice and Organisational Consulting -- 3 pts  
Murdoch: Y-internal

PSY568 Human Resources -- 3 pts  
Murdoch: S1-internal

PSY512 Work and Well-being -- 3 pts  
Murdoch: S2-internal

PSY552 Organisation of Work -- 3 pts  
Murdoch: S2-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

**Second Year - 24 credit points**

**Core Units - 24 credit points**

PSY655 Psychology: Advanced Thesis Research Methods -- 2 pts  
Murdoch: Y-internal

PSY690 Applied Psychology Dissertation -- 10 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

PSY603 Organisational Psychology: Practicum II -- 12 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

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**DOCTOR OF PSYCHOLOGY IN CLINICAL PSYCHOLOGY**

**School of Psychology**

Doctor of Psychology (DPsych) in Clinical Psychology

Course Codes: D1056

Restriction: All postgraduate courses are subject to restriction

Duration: 3 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The Doctor of Psychology is an intensive three-year professional research degree consisting of seminars, supervised practical work and applied research.

The first year of study is the same as Year 1 of the relevant Master of Applied Psychology (MAppPsych). Students who complete the first year of the Master of Applied Psychology with marks of

distinction may apply for transfer to the DPsych. The specific purpose of the DPsych is to enable students to undertake applied Doctoral-level research on a topic of their choice which will make a distinct contribution to the profession whilst gaining skills in applied psychology to meet registration requirements, and to pursue specialised study in a professional area of their choice.

All of the teaching staff are practising Clinical Psychologists. Murdoch University has the Psychology Clinic to act as a practical training facility. In addition, the University cooperates with Commonwealth and State Public Service Ministries and Departments such as Department for Community Development, Justice, Health, the Disability Services Commission and other public and private services and facilities in Western Australia.

In the first year, candidates will select units and practical placements to be approved by the School Committee.

#### **Admission Requirements (Onshore):**

On admission, applicants should hold a four-year degree in Psychology with the equivalent of a 2A honours degree in Psychology. Students with overseas qualifications who may be accepted into the course need to ensure, should they wish to seek registration within Australia after graduation, that their undergraduate qualification meets the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology.

Applicants who hold the equivalent of the relevant Master of Applied Psychology are to complete the balance of units in the DPsych. A maximum of 36 points of credit may be granted to those applicants who have completed equivalent coursework. The degree may be undertaken on a part-time basis but requires attendance of on-campus seminars and, for parts of the course, full-day attendance on campus or at a practicum site.

Students who complete the first year of the relevant Master of Applied Psychology and who average grades of Distinction in their core first year units may also apply for transfer to the DPsych. Applicants for the DPsych are required to submit a synopsis of their intended research and the name of a supervisor on the staff of the University as part of their application. Applicants will be required to present their research plans to a panel of Psychology staff prior to admission. Students permitted to transfer from the Master of Applied Psychology will be exempt from the units common to both degrees.

English competence.

#### **Special Requirements:**

As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. Successful applicants also need to have a Working with Children Check before they begin work in the internal clinic. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The student meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these documents if required.

#### **Professional Recognition:**

Australian Psychology Accreditation Council (APAC), and approval by the relevant Colleges of the Australian Psychological Society (APS).

## **Course Structure - 72 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Clinical Psychologists.

### **Year 1 - 24 credit points**

#### **Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) -- 3 pts  
Murdoch: SUM-internal, Y-internal

PSY538 Clinical Psychology: Internal Practicum (Adult) -- 3 pts  
Murdoch: SUM-internal, Y-internal

PSY569 Psychotherapy in Practice -- 3 pts  
Murdoch: Y-internal

PSY564 Clinical Psychology: Working with Children and Families -- 3 pts  
Murdoch: S1-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

PSY567 Clinical Psychology: Developmental Disabilities -- 3 pts  
Murdoch: S2-internal

PSY502 Clinical Psychology: Working with Health Problems -- 3 pts  
Murdoch: S2-internal

### **Second and Third Years**

#### **Core Units - 48 credit points**

PSY755 Psychology: Advanced Thesis Research Methods -- 0 pts  
Murdoch: Y-internal

PSY700 Doctor of Psychology Thesis -- 36 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Full-time students should enrol in the PSY700 thesis for 12 points for each of three semesters and part-time students should enrol in 6 points for each of six semesters or until submission of the thesis.

Students should also ensure they enrol in PSY755 Psychology: Advanced Thesis Research Methods concurrently with their first enrolment in PSY700.

PSY703 Doctor of Psychology (Clinical): Practicum I -- 6 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

PSY704 Doctor of Psychology (Clinical): Practicum II -- 6 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

## **DOCTOR OF PSYCHOLOGY IN ORGANISATIONAL PSYCHOLOGY**

### **School of Psychology**

Doctor of Psychology (DPsych) in Organisational Psychology  
Course Codes: D1057

Restriction: All postgraduate courses are subject to restriction  
Duration: 3 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)

The Doctor of Psychology is an intensive three-year professional research degree consisting of seminars, supervised practical work and applied research.

The first year of study is the same as Year 1 of the relevant Master of Applied Psychology (MAppPsych). Students who complete the first year of the Master of Applied Psychology with marks of distinction may apply for transfer to the DPsych. The specific purpose of the DPsych is to enable students to undertake applied Doctoral-level research on a topic of their choice which will make a distinct contribution to the profession whilst gaining skills in applied psychology to meet registration requirements, and to pursue specialised study in a professional area of their choice.

All of the teaching staff are practising Applied Psychologists. Murdoch University has the Psychology Clinic, the Counselling Psychology Consulting Service and the Organisational Psychology Consulting Service to act as practical training facilities and community services. In addition, the University cooperates with Commonwealth and State Public Service Ministries and Departments such as Department for Community Development, Justice, Employment, Health, Safety and Welfare, Education, the Disability Services Commission and other public and private services and facilities in Western Australia.

In the first year, candidates will select units and practical placements to be approved by the School Committee.

#### **Admission Requirements (Onshore):**

On admission, applicants should hold a four-year degree in Psychology with the equivalent of a 2A honours degree in Psychology. Students with overseas qualifications who may be accepted into the course need to ensure, should they wish to seek registration within Australia after graduation, that their undergraduate qualification meets the requirements of the relevant psychology registration board for equivalence to a four-year Australian degree in Psychology.

Applicants who hold the equivalent of the Master of Applied Psychology are to complete the balance of units in the DPsych (shown below). A maximum of 36 points of credit may be granted to those applicants who have completed equivalent coursework. The degree may be undertaken on a part-time basis but requires attendance of on-campus seminars and, for parts of the course, full-day attendance on campus or at a practicum site.

Students who complete the first year of the relevant Master of Applied Psychology and who average grades of Distinction in their core first year units may also apply for transfer to the DPsych. Applicants for the DPsych are required to submit a synopsis of their intended research and the name of a supervisor on the staff of the University as part of their application. Applicants may be required to present their research plans to a panel of Psychology staff prior to admission. Students permitted to transfer from the Master of Applied Psychology will be exempt from the units common to both degrees.

English competence.

#### **Special Requirements:**

As many agencies require all staff working with their clients or patients to have a police clearance, students are required to obtain a Federal police clearance (which will include WA clearance) if accepted into the course. Clearly any agency will only be seeking information about behaviours that may place vulnerable clients at risk and will not be interested in any other type of behaviours. The student meets the cost of these clearances. Please note that some organisations providing professional placements require students to provide full immunisation records. Applicants must be in a position to provide these documents if required.

#### **Professional Recognition:**

Australian Psychology Accreditation Council (APAC), and approval by the relevant Colleges of the Australian Psychological Society (APS).

## **Course Structure - 72 credit points**

Candidates must normally successfully complete the following units to meet Registration and Specialist Entitlement requirements for Organisational Psychologists.

### **Year 1 - 24 credit points**

#### **Core Units - 24 credit points**

PSY562 Psychological Assessment: Theory and Method -- 3 pts  
Murdoch: Y-internal

PSY570 Organisational Psychology: Practicum I -- 6 pts  
Murdoch: Y-internal

PSY563 Professional Practice and Organisational Consulting -- 3 pts  
Murdoch: Y-internal

PSY568 Human Resources -- 3 pts  
Murdoch: S1-internal

PSY512 Work and Well-being -- 3 pts  
Murdoch: S2-internal

PSY552 Organisation of Work -- 3 pts  
Murdoch: S2-internal

PSY565 Clinical Psychology: Working with Adults -- 3 pts  
Murdoch: S1-internal

### **Second and Third Years**

#### **Core Units - 48 credit points**

PSY755 Psychology: Advanced Thesis Research Methods -- 0 pts  
Murdoch: Y-internal

PSY700 Doctor of Psychology Thesis -- 36 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Full-time students should enrol in the PSY700 thesis for 12 points for each of three semesters and part-time students should enrol in 6 points for each of six semesters or until submission of the thesis.

Students should also ensure they enrol in PSY755 Psychology: Advanced Thesis Research Methods concurrently with their first enrolment in PSY700.

PSY701 Doctor of Psychology (Organisational): Practicum I -- 6 pts  
Murdoch: S1-internal, S2-internal, Y-internal

PSY702 Doctor of Psychology (Organisational): Practicum II -- 6 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

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## **PUBLIC POLICY**

#### **See also:**

Globalisation and Governance

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## **MASTER OF ARTS IN PUBLIC POLICY**

### **School of Social Sciences and Humanities**

Master of Arts (MA) in Public Policy

Course Codes: M1006

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Arts in Public Policy is designed for people with an interest in both the theory and the practice of public policy and the administration of policy.



The coursework is built around required units in economics, public policy and public administration, but no prior knowledge of these subjects is assumed. There is also space to take elective units to allow students the opportunity to follow subjects relevant to their experience and interests.

**Employment Prospects:**

This course is particularly aimed at people employed in or intending to enter the federal or state public service, local government and related fields.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to this course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 20 to 28 credit points**

\*MBS562 Macroeconomics A -- 4 pts  
Murdoch: S1-internal, S1-external

COD655 Community and Social Policy -- 4 pts  
Murdoch: S1-internal, S1-external

POL530 Public Policy Analysis -- 4 pts  
Murdoch: S2-internal, S2-external

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

POL620/POL6201 Master of Arts by Coursework Project -- 4 pts or 8 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

POL650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete the 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework, and have the approval of the Academic Chair and of a research supervisor for the proposed thesis. Alternatively, students will be required to complete the Project.

**Specified Electives - 20 to 28 credit points**

Select from the following:

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

COD634 Creative Ways to Work with Community -- 4 pts  
Murdoch: S1-internal, S1-external

COD624 Projects in Community Development -- 4 pts  
Murdoch: S2-internal, S2-external

MCC637 Cultural and Media Policy -- 4 pts  
Murdoch: S1-internal, S1-external

POL585 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

POL697 Democracy in the 21st Century -- 4 pts  
Murdoch: S2-internal, S2-external

EDU637 Program Evaluation -- 4 pts  
Murdoch: S1-external

POL660 Modern Theories of the State -- 4 pts  
NA 2011

COD545 Community Development Theory and Practice -- 4 pts  
Murdoch: S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

POL551 Government Agencies in a Changing World -- 4 pts  
Murdoch: S1-internal, S1-external

\*Students should note that these units assume knowledge equivalent to BUS161 Introduction to Economics -- 3 pts. Students should ensure that they are familiar with introductory texts in micro and macroeconomics. Students with further queries should contact the Unit Coordinator.

Students may select further relevant electives from the Specified Electives for other, related coursework Masters, subject to the approval of the Academic Chair.

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## PUBLIC RELATIONS

**See also:**  
Journalism

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### POSTGRADUATE CERTIFICATE IN PUBLIC RELATIONS

**School of Media Communication and Culture**

Postgraduate Certificate in Public Relations (PgCertPR)

Course Codes: C1067

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

The certificate provides students with a grounding in various aspects of public relations theory and practice. Depending on their choice of units students can focus on: ethics, issues management, crisis communication, media relations, strategy development and stakeholder engagement.

**Employment Prospects:**

While the Postgraduate Certificate will develop skills and understanding of the field, the Postgraduate Diploma in PR will be a professional qualification. The certificate will lead on to the diploma.

Diploma graduates would be able to take up positions in public relations consultancies, businesses, government agencies and non-government organisations in Australia and the region. The types of jobs include media liaison, publicists, public affairs officers, campaign organisers, communication managers, sponsorship managers and event coordinators.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, other than in a Public Relations major, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Public Relations.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

Select from the following:

MCC607 Campaign Management -- 4 pts  
Murdoch: S2-internal

MCC645 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal

MCC504 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal

MCC546 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external

MCC513 Communication Research -- 4 pts  
Murdoch: S2-internal, S2-external

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**POSTGRADUATE DIPLOMA IN PUBLIC RELATIONS**

**School of Media Communication and Culture**

Postgraduate Diploma in Public Relations (PgDipPR)

Course Codes: P1052

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)

The diploma prepares students for work in the public relations profession by providing them with an understanding of public relations theory and practice, including ethics, issues management, crisis communication, media relations, strategy development and stakeholder engagement. Students will learn about the planning, management and evaluation of public relations campaigns. In addition, they may have the opportunity to undertake industry internships in Australia or abroad.

**Employment Prospects:**

Diploma graduates would be able to take up positions in public relations consultancies businesses, government agencies and non-government organisations in Australia and the region. The types of jobs include media liaison, publicists, public affairs officers, campaign organisers, communication managers, sponsorship managers and event coordinators.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, other than a Public Relations major, or satisfactory preparation through previous study or professional experience.

English competence.

**Main Research Areas:**

Public Relations.

**Course Structure - 24 credit points**

**Core Units - 16 credit points**

MCC607 Campaign Management -- 4 pts  
Murdoch: S2-internal

MCC504 Public Relations: Contemporary Approaches -- 4 pts  
Murdoch: S2-internal

MCC645 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal

MCC559 Media Relations -- 4 pts  
Murdoch: S1-internal

**Specified Electives - 8 credit points**

Select from the following:

MCC625 Professional Placement in Media Communication and Culture -- 4 pts  
Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

MCC513 Communication Research -- 4 pts  
Murdoch: S2-internal, S2-external

MCC545 Media Law and Ethics -- 4 pts  
Murdoch: S1-internal

MCC546 Professional Communication -- 4 pts  
Murdoch: S1-internal, S1-external

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**RESEARCH DEGREES--GENERAL**

**See also:**

Education

Law

Psychology

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**MASTER OF PHILOSOPHY**

**Miscellaneous**

Master of Philosophy (MPhil)

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)
- Peel campus (internal) (Nursing only)
- Peel campus (external) (Nursing only)

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

**Admission Requirements (Onshore):**

Applicants for admission to candidature for MPhil must normally hold at least an upper second-class Honours Bachelor's degree or its equivalent. Applicants with a Bachelor's degree only, but who have evidence of subsequent scholarly or professional attainments providing adequate research preparation, may also be considered.

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

## RESEARCH MASTERS (WITH TRAINING)

### Miscellaneous

Master of <fieldname> (Research Masters with training)

Restriction: All postgraduate courses are subject to restriction

Duration: 1.5 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

The Research Masters (with Training) is an 18-month full-time (or three years part-time) degree designed for students for whom additional, or specialised, research training is desirable. It is designed for:

\* Industry professionals who seek to extend and deepen their research expertise

\* Professionals and others interested in undertaking research relevant to their professional field

\* Those hoping to proceed to higher degrees but lacking in the conventional background.

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

### Admission Requirements (Onshore):

Applicants for admission to the Research Masters (with Training) must normally hold a Bachelor's degree and a graduate course requiring at least one year of full-time study or the equivalent of at least two years of full-time relevant professional experience or demonstrated relevant research capacity, or a four-year degree.

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

## DOCTOR OF PHILOSOPHY

### Miscellaneous

Doctor of Philosophy (PhD)

Restriction: All postgraduate courses are subject to restriction

Duration: 4 years full-time or part-time equivalent

### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)
- Peel campus (internal) (Nursing only)
- Peel campus (external) (Nursing only)

Candidature for research degrees is offered in all Schools. The University encourages research in interdisciplinary areas as well as in the basic disciplines.

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

### Admission Requirements (Onshore):

Applicants for admission to candidature for PhD degrees must normally hold at least an upper second-class Honours Bachelor's degree or its equivalent. Applicants with a Bachelor's degree only, but who have evidence of subsequent scholarly or professional attainments providing adequate research preparation, may also be considered.

Applicants for part-time study must submit a statement that they will be able to devote a minimum of 15 hours per week to their research in each year of their candidature.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### Course Structure

For further information on Postgraduate Research Degrees, see the Study at Murdoch section of the Handbook.

## SCIENCE TEACHING

### See also:

Education

## GRADUATE CERTIFICATE IN SCIENCE TEACHING

### School of Education

Graduate Certificate in Science Teaching (GradCertScTeach)

Course Codes: C1081

Restriction: All postgraduate courses are subject to restriction

Duration: 3 or 4 semesters part-time

### Availability:

- Murdoch campus (external)
- Some units only: Murdoch campus (internal) (all but one unit)

Teachers who complete this course will be provided with the necessary expertise and background to teach science in the lower secondary school.

This course comprises four units which can be studied over a number of semesters depending on unit availability. The focus is on developing a stronger discipline background in science, in order to support the teaching of lower secondary science.

### Admission Requirements (Onshore):

Recognised teaching qualification, or equivalent, with no completed studies in first year university physics or first year university chemistry.

English competence.

Internet access is required for students studying externally;

exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Some on-campus attendance required.

**Professional Recognition:**

Department of Education, Western Australia.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

EDN115 Thinking Scientifically -- 3 pts

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

(It is recommended that this unit is completed before enrolment in PEC120 General Physics -- 3 pts and PEC140 Introduction to Chemistry -- 3 pts.)

PEC120 General Physics -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

PEC140 Introduction to Chemistry -- 3 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

EDU2742 Science and the Curriculum (Secondary) -- 3 pts

Murdoch: S1-external

(Students are advised to enrol in this unit in their final semester.)

satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Main Research Areas:**

Contemporary Asia, Social Change and Social Equity.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

POL608 International Security and Strategy -- 4 pts

Murdoch: S1-internal, S1-external

POL609 Terrorism and Counterterrorism -- 4 pts

Murdoch: S1-internal, S1-external

POL603 International Relations Theory -- 4 pts

Murdoch: S1-internal, S1-external

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**SECURITY, TERRORISM AND COUNTERTERRORISM**

**See also:**

Globalisation and Governance

**POSTGRADUATE CERTIFICATE IN SECURITY, TERRORISM AND COUNTERTERRORISM STUDIES**

**School of Social Sciences and Humanities**

Postgraduate Certificate in Security, Terrorism and Counterterrorism Studies (PgCertSecurTerr)

Course Codes: C1079

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time (Semester 1 commencement only)

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This course provides students with a critical understanding of the nature of security, terrorism and counterterrorism measures in Australia and worldwide. It defines security broadly to incorporate the protection of individuals and their values, norms, rules, institutions and property from military and non-military threats. It explains terrorism as a threat to security, but suggests a multiple approach to the 'war on terror', involving diplomacy, development, capacity building and military force.

**Employment Prospects:**

Graduates of this course will be excellent candidates for recruitment into the intelligence services as well as in the Departments of Foreign Affairs and Trade, Defence, and Immigration and Citizenship, and the Attorney-General's Office. They will also be suited for employment in journalism, international business and corporate management. Employment opportunities may be enhanced for those who hold degrees in other disciplines like Law, Business or Information Technology.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or

**SPECIAL NEEDS EDUCATION**

**See also:**

Education

**GRADUATE CERTIFICATE IN INCLUSIVE EDUCATION**

**School of Education**

Graduate Certificate in Inclusive Education (GradCertInclusiveEd)

Course Codes: C1086

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year part-time (due to unit availability)

**Availability:**

- Murdoch campus (external) (except for school experiences)
- Some units only: Murdoch campus (internal) (all but one unit)

This course is designed for teachers who wish to enhance their capacity to respond to diversity among all students. It comprises three units of coursework addressing the provision of inclusive education programs.

These units focus on catering for diversity in the classroom and the teaching and learning adjustments that teachers can make for students with special needs, learning difficulties and disabilities in a range of education settings. The certificate also requires students to undertake a six-week practicum placement in an appropriate educational setting.

Successful completion of this course where at least two units are completed at 400/600-level will mean that 8 credit points can be used for credit towards the Master of Education (Coursework).

**Employment Prospects:**

This Graduate Certificate will prepare teachers for employment in special or inclusive education settings. It meets the requirements of the WA Department of Education to teach in a special or inclusive education setting.

**Admission Requirements (Onshore):**

Recognised primary teaching qualification (three or four years). Students who are not qualified teachers but have had at least two

years of full-time recent, relevant and satisfactory teaching experience may seek admission, but should note that the course does not constitute an initial teaching qualification.

Successful completion of the Graduate Certificate where at least 2 units have been completed at 400/600-level will mean that 8 points of credit can be used toward the Master of Education (Coursework).

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

Placement in the practicum component of the Graduate Certificate will require that students obtain police clearance through the WA Department of Education. Students should refer to the Study at Murdoch section of this Handbook for details on this essential requirement.

**Professional Recognition:**

The qualification is a professional specialisation offering the opportunity for teachers to enhance their employment options and employability within the teaching field. The Certificate is recognised by the WA Department of Education.

**Further Study:**

The Certificate may be upgraded with a further 8 points to a Graduate Diploma in Education Studies, or, on completion, students may be granted 8pts advanced standing towards a Master of Education (Coursework) degree.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 16 credit points**

**Core Units - 16 credit points**

EDN2191 Professional Experience: GradCertEdSt -- 4 pts  
Murdoch: AU13-external, SP26-external

EDN334 Inclusive Education -- 4 pts  
Murdoch: S2-internal, S2-external  
Rockingham: S2-internal

EDN422 Creating Effective Learning Environments -- 4 pts  
Murdoch: S1-internal, S1-external  
Rockingham: S1-internal

EDU409 Inclusive Education: Contemporary Perspectives and Practices -- 4 pts  
Murdoch: S2-external

Some students may have already completed some of the above units or their equivalents. Exemptions may be obtained for units already completed, in which case students should substitute from the list of Education Studies units. Applications for exemption should be submitted to the Accreditation Officer.

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**SPORTS SCIENCE**

**POSTGRADUATE DIPLOMA IN SPORTS CHIROPRACTIC**

**School of Chiropractic and Sports Science**

Postgraduate Diploma in Sports Chiropractic (PgDipSportsChiro)

Course Codes: P1045

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)

The Postgraduate Diploma in Sports Chiropractic is a natural extension for the accredited chiropractor with an interest in working with athletes.

Building on their previous education in the management and treatment of neuromusculoskeletal conditions, the chiropractor will concentrate on the assessment and management of injuries associated with sports. The practicality of the information on sports and their injuries is a primary emphasis of this course but the treatment and procedures will also be applicable to an everyday practice consisting of all types of patients. This branch of chiropractic is rapidly growing internationally and the interest in sports is worldwide.

The course is articulated with the Federation Internationale de Chiropractic du Sport (FICS) and its International Chiropractic Sports Science Diploma (ICSSD). The Postgraduate Diploma is a 24-point course of which the ICSSD provides 12 of the points.

**Employment Prospects:**

Most of the participants will be employed in an active clinic or in some other aspect of the profession. This course will enhance the practitioner's qualifications and open opportunities to working in the high profile sporting events in the world. It will also elevate the Chiropractic profession's credibility and align them to the similar educational format of other health care practitioners.

**Admission Requirements (Onshore):**

Completion of the International Chiropractic Sports Science Diploma (ICSSD).

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Sports chiropractic, performance enhancement, injury prevention.

**Course Structure - 24 credit points**

**Prerequisite Study - 12 credit points**

The Postgraduate Diploma is 24 points but students will receive 12 points upon entry for the completion of the ICSSD (International Chiropractic Sports Science Diploma) through the articulation with the FICS (Federation Internationale de Chiropractic du Sport).

**Core Units - 12 credit points**

CHI686 Assessment Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI687 Rehabilitation and Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI688 Clinical Experience of Treating Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

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**MASTER OF SPORTS SCIENCE**

**School of Chiropractic and Sports Science**

Master of Sports Science (MSportsSc)

Course Codes: M1160

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)
- International students who are studying outside of Australia may study this course on an external basis.

The Master of Sports Science is offered externally by the School of Chiropractic and Sports Science. It is offered to diverse sports-minded practitioners (Chiropractors, Exercise Science, Human Movement, Physiotherapists, Occupational therapists, et cetera) interested in furthering their education through study in sports. This course will allow the sports practitioner to obtain a recognised degree in sports science.

**Employment Prospects:**

This course will allow the graduate to approach club, professional, national, and international teams to provide care and consultation for their athletes. It will allow them to work to establish a sports-specialty environment.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent, with postgraduate training (or Honours year) in a related field. Applicants wishing to undertake the Sports Chiropractic specialisation must have completed the Postgraduate Diploma in Sports Chiropractic.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Sports science.

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**No Specialisation**

**Course Structure - 48 credit points**

**Core Units - 16 credit points**

CHI675 Dissertation (Research Project) -- 12 pts  
Murdoch: H-external, Y-external

CHI677 Research Methods and Epidemiology -- 4 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

**Specified Electives - 32 credit points**

Select from the following:

CHI679 Sports Psychology -- 4 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

CHI678 Special Topics -- 4 pts  
NA 2011

CHI689 Sports Nutrition -- 4 pts  
Murdoch: H-external, Y-external

CHI687 Rehabilitation and Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI676 Professional Experience Project -- 12 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

OR

CHI6761 Professional Experience Project -- 8 pts  
Murdoch: H-external, Y-external

CHI686 Assessment Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI688 Clinical Experience of Treating Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI681 Principles and Practice of Neuromusculoskeletal Rehabilitation -- 4 pts  
Murdoch: H-external, Y-external

CHI683 Neuromusculoskeletal Rehabilitation of the Upper Body -- 4 pts  
Murdoch: H-external, Y-external

CHI680 Neuromusculoskeletal Rehabilitation in Overview -- 4 pts  
Murdoch: H-external, Y-external

CHI682 Neuromusculoskeletal Rehabilitation of the Lower Body -- 4 pts  
Murdoch: H-external, Y-external

CHI674 Sports Biomechanics -- 4 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

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**Sports Chiropractic Specialisation**

**Course Structure - 48 credit points**

**Prerequisite Study - 24 credit points**

Students will receive 24 points upon entry for the completion of the Postgraduate Diploma in Sports Chiropractic. This includes 12 points for the ICSSD (International Chiropractic Sports Science Diploma) through the articulation with the FICS (Federation Internationale de Chiropractic du Sport).

**Core Units - 16 credit points**

CHI675 Dissertation (Research Project) -- 12 pts  
Murdoch: H-external, Y-external

CHI677 Research Methods and Epidemiology -- 4 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

**Specified Electives - 8 credit points**

Select from the following:

CHI686 Assessment Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI688 Clinical Experience of Treating Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI681 Principles and Practice of Neuromusculoskeletal Rehabilitation -- 4 pts  
Murdoch: H-external, Y-external

CHI683 Neuromusculoskeletal Rehabilitation of the Upper Body -- 4 pts  
Murdoch: H-external, Y-external

CHI679 Sports Psychology -- 4 pts  
Murdoch: H-external, S1-external, S2-external, Y-external

CHI687 Rehabilitation and Management of Sports Injuries -- 4 pts  
Murdoch: H-external, Y-external

CHI680 Neuromusculoskeletal Rehabilitation in Overview -- 4 pts  
Murdoch: H-external, Y-external

CHI682 Neuromusculoskeletal Rehabilitation of the Lower Body -- 4 pts  
Murdoch: H-external, Y-external

CHI678 Special Topics -- 4 pts  
NA 2011

CHI689 Sports Nutrition -- 4 pts  
Murdoch: H-external, Y-external

## SUSTAINABILITY

### POSTGRADUATE CERTIFICATE IN ASIAN SUSTAINABLE DEVELOPMENT

#### School of Sustainability

Postgraduate Certificate in Asian Sustainable Development (PgCertAsSDev)

Course Codes: C1026

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 semesters (depending on unit selection)

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Certificate in Asian Sustainable Development provides an online opportunity for graduates in the Asian region to study the central issue of global and local sustainable development. This issue, defined by various United Nations conferences and publications, has many elements to it, hence all aspects of government, the economy and civil society are being examined in the light of sustainability. The policy focus is on how global and local wealth can be created in ways that have less resource use and environmental impact and greater ability to make liveable communities. Case study material is drawn from the Asian region and projects will be done on local issues of relevance to the students.

#### Employment Prospects:

This Certificate is aimed at professionals working or seeking employment in government, NGOs and private sector organisations concerned with sustainable development in Asia.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Course Structure - 12 credit points

#### Core Units - 8 credit points

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

OR

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

#### Specified Electives - 4 credit points

Select from any units not completed above or from the following:

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

ENV560 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

### POSTGRADUATE DIPLOMA IN ASIAN SUSTAINABLE DEVELOPMENT

#### School of Sustainability

Postgraduate Diploma in Asian Sustainable Development (PgDipAsSDev)

Course Codes: P1026

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Postgraduate Diploma in Asian Sustainable Development provides an opportunity for graduates in the Asian region to study the central issue of global and local sustainable development externally. This issue, defined by various United Nations conferences and publications, has many elements to it, hence all aspects of government, the economy and civil society are being examined in the light of sustainability. The policy focus is on how global and local wealth can be created in ways that have less resource use and environmental impact and greater ability to make liveable communities.

The course builds on two core units, and then can be applied in different areas including: urban regional sustainability, renewable energy, environmental management and policy, and ecotourism. Case study material is drawn from the Asian region and projects will be done on local issues of relevance to the students.

#### Employment Prospects:

This course is aimed at professionals working or seeking employment in government, NGOs and private sector organisations concerned with sustainable development in Asia.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, although not necessarily in an area directly related to the course. Preparation through previous studies and/or work experience will be considered.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Course Structure - 24 credit points

University regulations require completion of units at 500-level or higher for postgraduate diplomas. Where units are double-coded, students should ensure their selections fulfil this requirement.

#### Core Units - 12 credit points

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

**Specified Electives - 12 credit points**

Select from the following:

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

ENV560 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

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## MASTER OF ARTS IN ASIAN SUSTAINABLE DEVELOPMENT

**School of Sustainability**

Master of Arts (MA) in Asian Sustainable Development

Course Codes: M1055

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Arts in Asian Sustainable Development provides an opportunity for graduates in the Asian region to study the central issue of global and local sustainable development externally. This issue, defined by various United Nations conferences and publications, has many elements to it, hence all aspects of government, the economy and civil society are being examined in the light of sustainability.

The policy focus is on how global and local wealth can be created in ways that have less resource use and environmental impact and greater ability to make liveable communities. The course builds on two core units, and then can be applied in different areas including urban regional sustainability, renewable energy, environmental management and policy, and ecotourism. Case study material is drawn from the Asian region and projects will be done on local issues of relevance to the students. A final project unit or dissertation will draw together the student's main interest in a research exercise.

**Employment Prospects:**

This degree is aimed at professionals working or seeking employment in government, NGOs and private sector organisations concerned with sustainable development in Asia.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 16 to 24 credit points**

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

STP620/STP6201 Master of Arts by Coursework Project -- 4 pts or 8 pts

STP620:

NA 2011

STP6201:

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

STP650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework and have the approval of the Academic Chair and a Research Supervisor.

**Specified Electives - 24 to 32 credit points**

Select from the following units.

Note: Students who intend to complete either STP650 Master of Arts by Coursework Dissertation -- 12 pts or STP6201 Master of Arts by Coursework Project -- 8 pts will be required to take STP618 Honours and Masters Research Seminar -- 4 pts in lieu of one of their Specified Electives.

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP645 Sustainable Urban Design -- 4 pts  
NA 2011

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external



STP632 Sustainable Development Internship/Project -- 8 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

OR

STP631 Sustainable Development Internship/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

## MASTER OF ARTS IN ECOLOGICALLY SUSTAINABLE DEVELOPMENT

### School of Sustainability

Master of Arts (MA) in Ecologically Sustainable Development

Course Codes: M1030

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Arts in Ecologically Sustainable Development is designed to explore the policies, issues and processes of ecologically sustainable development (ESD). Students are able to study the current status, the history and the value bases of sustainable development, together with the policy approaches that are emerging for sustainability in the various sectors such as energy, industry, the household, agriculture and fisheries.

The core unit provides a background to the policy, economic and ethical frameworks through which ESD is currently being explored and implemented. These frameworks provide students with the tools for interpreting ESD issues and for applying them in practice.

#### Employment Prospects:

This course is particularly relevant to professionals in government, business and civil society working in environmental policy and management, local sustainability issues and international development.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to the proposed course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

### Course Structure - 48 credit points

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

#### Core Units - 28 to 36 credit points

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP670 Policy, Technology and Democracy -- 4 pts  
Murdoch: S2-internal, S2-external

Plus at least three of the following:

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP604 Overseas Aid and International Development -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

STP620/STP6201 Master of Arts by Coursework Project -- 4 pts or 8 pts

STP620:

NA 2011

STP6201:

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

STP650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework and have the approval of the Academic Chair and of a Research Supervisor.

#### Specified Electives - 12 to 20 credit points

Select from any of the Core Units not already taken, or from the following units.

\* Enrolment in unit subject to consultation with Unit Coordinator.

#### Environment Management and Policy

PEC591 Energy Policy -- 4 pts  
Murdoch: S2-internal, S2-external, Y-external

\* ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

\* ENV520 Principles of Environmental Impact Assessment -- 4 pts  
Murdoch: S1-internal, S1-external

\* ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

PEC632 Greenhouse Science and Policy -- 4 pts  
Murdoch: H-external, S1-internal, S1-external

\* ENV619 Environmental Management -- 4 pts  
Murdoch: S2-internal, S2-external

TOU501 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

**Sociocultural Issues and Policy**

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

POL699 Politics of Globalisation -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

POL613 Gender and Development -- 4 pts  
NA 2011

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

STP611 Resilient Regions: People and Practice -- 4 pts  
Murdoch: SB6-internal (quota of 40 places)

**Institutional/Policy Processes**

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

POL585 Environmental Politics -- 4 pts  
Murdoch: S1-internal, S1-external

STP640 Special Topics in Sustainable Development -- 4 pts  
Topic not currently offered

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**MASTER OF ARTS IN EDUCATION FOR SUSTAINABILITY****School of Sustainability**

Master of Arts (MA) in Education for Sustainability

Course Codes: M1150

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (external)
- Some units only: Murdoch campus (internal) (all but one unit)

This course focuses on changing the current ways of using natural resources, caring for the social environment and dealing with economic disparities. The course is aimed at education in all contexts, and by taking a holistic approach, it addresses complex issues such as energy, water use, waste, sustainable production and consumption, biodiversity, land management, indigenous knowledge, disaster reduction, corporate responsibility, equity and social justice, and redefining the meaning of progress.

**Employment Prospects:**

Potential employment areas are the educational sector (at all levels, including primary and secondary schools, VET, university) as well as government, non-government and private sector organisations which work towards a change in culture related to sustainability issues.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, and, if the course is not in the same area, at least two years of relevant experience, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Professional Recognition:**

No officially approved professional body exists yet. However, the course has the approval of the Sustainability Practitioners

Association.

**Main Research Areas:**

Sustainability.

**Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

**Core Units - 24 to 32 credit points**

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

EDU647 Collaborative Learning, Creativity and Motivation -- 4 pts  
Murdoch: S1-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

Plus one of the following:

STP650 Master of Arts by Coursework Dissertation -- 12 pts  
Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

STP620/STP6201 Master of Arts by Coursework Project -- 4 pts or 8 pts

STP620:

NA 2011

STP6201:

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

**Specified Electives - 16 to 24 credit points**

Select from the following units:

Note: Students who intend to complete either STP650 Master of Arts by Coursework Dissertation -- 12 pts or STP6201 Master of Arts by Coursework Project -- 8 pts will be required to take STP618 Honours and Masters Research Seminar -- 4 pts in lieu of one of their Specified Electives.

STP618 Honours and Masters Research Seminar -- 4 pts  
Murdoch: S1-internal, S1-external

STP605 Economics for Sustainability -- 4 pts  
Murdoch: W3-internal, W3-external

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts  
Murdoch: S2-internal, S2-external

STP632/STP6321 Sustainable Development Internship/Project -- 8 pts or 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

STP623 Cities and Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

STP630 Cities and Innovation -- 4 pts  
Murdoch: S2-internal, S2-external

AIS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

Information on teaching periods is at the beginning of the Units section of this Handbook (if included). Standard Teaching Periods are:

S1 = Semester 1 S2 = Semester 2 SUM = Summer term W = Winter term Y = Full year H = Straddle year  
T1 = Trimester 1 T2 = Trimester 2 T3 = Trimester 3

EDU627 Development and Education -- 4 pts

Murdoch: S1-external

EDU646 Cultural Diversity in Learning and Working -- 4 pts

Murdoch: S1-internal, S1-external

ENV528 Environmental Policy and Law -- 4 pts

Murdoch: S2-internal, S2-external

ENV505 Environmental Monitoring -- 4 pts

Murdoch: S2-internal, S2-external

STP611 Resilient Regions: People and Practice -- 4 pts

Murdoch: SB6-internal (quota of 40 places)

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## **MASTER OF ARTS IN SUSTAINABLE URBAN AND REGIONAL PLANNING**

### **School of Sustainability**

*Master of Arts (MA) in Sustainable Urban and Regional Planning*

Course Codes: M1027

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Arts in Sustainable Urban and Regional Planning is designed to meet the needs of students from a range of disciplines who wish to pursue careers in urban and regional planning or related policy areas involving urban and regional sustainability.

Units examine the institutional and legal framework for planning, and address the main policy challenges involved in planning sustainable communities. Issues covered include transport and land use, housing and infrastructure, community economic and cultural development, and social equity. Emphasis is placed on the acquisition of important planning competencies, and recognition is also given to the need for broad training in public policy, ethics, and economics as a basis for decision making. This course is global in scope with a focus on the burgeoning cities of Asia.

### **Employment Prospects:**

Careers in urban and regional planning, or related professions in policy areas ranging from transport, engineering, health, local economic development, cultural planning, the environment and architecture, to public administration, as well as land development within the private sector and community-oriented work.

### **Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, though not necessarily in an area directly related to this course, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

### **Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

### **Course Structure - 48 credit points**

University regulations require completion of a minimum of 24 points at 600-level and a maximum of 24 points at 500-level for a 48-point Masters by Coursework degree.

### **Core Units - 28 to 36 credit points**

Students who have already completed any of the Core Units should contact the Academic Chair for substitutes.

STP623 Cities and Sustainability -- 4 pts

Murdoch: S1-internal, S1-external

STP630 Cities and Innovation -- 4 pts

Murdoch: S2-internal, S2-external

STP645 Sustainable Urban Design -- 4 pts

NA 2011

OR

STP603 Sustainability and Social Justice: The Non Profit Sector -- 4 pts

Murdoch: S2-internal, S2-external

STP6321 Sustainable Development Internship/Project -- 4 pts

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

ENV512 Global and Regional Sustainability -- 4 pts

Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts

Murdoch: S1-internal, S1-external

Plus one of the following:

STP620/STP6201 Master of Arts by Coursework Project -- 4 pts or 8 pts

STP620:

NA 2011

STP6201:

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

STP650 Master of Arts by Coursework Dissertation -- 12 pts

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

To be eligible to complete a 12-point dissertation, students must have attained a high standard in the Postgraduate Diploma and Masters coursework and have the approval of the Academic Chair and of a Research Supervisor.

### **Specified Electives - 12 to 20 credit points**

Select from the following:

Note: Students who intend to complete either STP650 Master of Arts by Coursework Dissertation -- 12 pts or STP6201 Master of Arts by Coursework Project -- 8 pts will be required to take STP618 Honours and Masters Research Seminar -- 4 pts in lieu of one of their Specified Electives.

STP618 Honours and Masters Research Seminar -- 4 pts

Murdoch: S1-internal, S1-external

STP604 Overseas Aid and International Development -- 4 pts

Murdoch: S1-internal, S1-external

STP670 Policy, Technology and Democracy -- 4 pts

Murdoch: S2-internal, S2-external

STP605 Economics for Sustainability -- 4 pts

Murdoch: W3-internal, W3-external

ENV503 GIS for Environmental Management and Planning -- 4 pts

Murdoch: S2-internal, S2-external

STP606 Sustainability Ethics -- 4 pts

Murdoch: S2-internal, S2-external

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ALS601 Country, Nature and Identity: Indigenous Sustainability -- 4 pts  
Murdoch: S1-internal, S1-external

PEC671 Solar Architecture and Health in Buildings -- 4 pts  
Murdoch: S2-internal, S2-external

PEC675 Environmental Building Services -- 4 pts  
Murdoch: S2-internal, S2-external

ENV560 Environmental Technology for Sustainable Development -- 4 pts  
Murdoch: S2-internal, S2-external

STP611 Resilient Regions: People and Practice -- 4 pts  
Murdoch: SB6-internal (quota of 40 places)

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## TERTIARY AND ADULT EDUCATION

**See also:**  
Education

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### GRADUATE CERTIFICATE IN TERTIARY AND ADULT EDUCATION

#### School of Education

Graduate Certificate in Tertiary and Adult Education (GradCertTerAdEd)

Course Codes: C1025

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year part-time (due to unit availability)

#### Availability:

- Murdoch campus (internal)
- Murdoch campus (external)

The Graduate Certificate in Tertiary and Adult Education is designed for people who are interested in the education of adults i.e. university lecturers or tutors, TAFE lecturers, nurse educators, adult literacy teachers, community adult educators, industrial training officers.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation for the course through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

There may be a reduction in choice of units if completing this course in the external mode.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

#### Course Structure - 12 credit points

#### Core Units - 12 credit points

EDU240 Facilitating Lifelong Learning -- 6 pts  
Murdoch: S1-internal, S1-external, S2-external

EDU444 Tertiary and Adult Education Policy -- 6 pts  
Murdoch: S2-internal, S2-external

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## GRADUATE DIPLOMA IN EDUCATION (TERTIARY AND ADULT)

#### School of Education

Graduate Diploma in Education (GradDipEd) (Tertiary and Adult)

Course Codes: G1025

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (external)
- Some units only: Murdoch campus (internal) (all but one unit)

This course is designed for people who are interested in the education of adults (e.g. university lecturers or tutors, technical college lecturers, nurse educators, adult literacy teachers, community adult educators, industrial training officers).

#### Employment Prospects:

This course provides development for the professional role of a lecturer, audit educator, facilitator, professional development facilitator, instructor or professional trainer.

#### Admission Requirements (Onshore):

Recognised Bachelor's degree or higher, or equivalent training, and will need to have acquired some experience of teaching adults before enrolling in the unit EDU470 Professional and Action Learning Project (see unit description for details). Applicants who do not have any experience teaching at the time of enrolment should consult with the Academic Chair.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

EDU470 Professional and Action Learning Project should be taken in the last semester of the course. In order to meet the requirements of that unit, students have responsibility for arranging access to a group or groups of adult learners. Such access should permit students to teach, tutor, train or facilitate the group (or groups) over an extended period of time (usually 10 weeks.)

#### Advanced Standing:

Successful completion of the 'TAA40104 Cert IV in Training and Assessment' attracts 4 points of advanced standing credit towards the Graduate Diploma in Education (Tertiary and Adult). Students who have completed other relevant qualifications or a staff development or induction program should consult with the Accreditation Officer about the exemptions available.

#### Further Study:

On completion, students may be granted 8 points of advanced standing towards a Master of Education (Coursework) degree.

#### Exemption from Postgraduate Coursework Regulations:

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 24 credit points****Core Units - 20 credit points**

EDU240 Facilitating Lifelong Learning -- 6 pts  
Murdoch: S1-internal, S1-external, S2-external

EDU444 Tertiary and Adult Education Policy -- 6 pts  
Murdoch: S2-internal, S2-external

EDU488 Curriculum Development for Practitioners -- 4 pts  
Murdoch: S1-internal, S1-external, Y-external

EDU470 Professional and Action Learning Project -- 4 pts  
Murdoch: S1-external, S2-external  
(See the note in the Course Description under Special Requirements)

**Specified Electives - 4 credit points**

Select one 400-level unit from the units listed in the chart 'Availability of 400/600/700-level units in Education' which is provided on the School of Education web site at:  
<http://www.education.murdoch.edu.au/curriculum/units>

**THEOLOGY****MASTER OF MINISTRY****School of Social Sciences and Humanities**

Master of Ministry (MMin)

Course Codes: M1084

Restriction: All postgraduate courses are subject to restriction

Duration: 2 years full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

The Master of Ministry is a professional degree for people who want to build on previous theological study by pursuing aspects in greater detail, while retaining a broad range of theological interests. It offers an opportunity for those who are not primarily focused on the academic research pathway (Master of Theology, Research Masters (with Training), MPhil, PhD), but who want to improve their professional qualifications and skills beyond graduate level.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree in Theology, or higher in theological studies or equivalent. Consideration will also be given to other previous studies in Theology and professional experience and continuing education. Students who have completed the four-year Bachelor of Theology or equivalent may be granted up to 24 points of credit towards the Master of Ministry.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Exemption from Postgraduate Coursework Regulations:**

In this course, where appropriate, undergraduate units (between 100- and 400-level) have been included to meet the learning outcomes for the entire course. Postgraduate students can expect to be part of a learning community with undergraduate students in these units. This course has been granted a specific exemption from the Postgraduate Coursework Regulations.

**Course Structure - 48 credit points**

Students must complete at least 24 points at 500-level.

**Core Units - 20 credit points**

Select at least 4 points from each Area:

**Area A: Old Testament**

THE498/THE598 Advanced Old Testament Exegesis -- 4 pts  
Murdoch: S2-internal, S2-external

**Area B: New Testament**

THE477/THE577 Advanced New Testament Exegesis -- 4 pts  
Murdoch: S2-internal, S2-external

**Area C: Church History**

THE489/THE589 Christianity in Asia -- 4 pts  
THE489:

Murdoch: S2-internal, S2-external

THE589:

Murdoch: S1-internal, S2-external

THE497/THE597 Australian Church History -- 4 pts  
NA 2011

**Area D: Systematic Theology**

THE490/THE590 Systematic Theology Seminar -- 4 pts

THE490:

NA 2011

THE590:

Murdoch: S1-internal

THE429 Triune God -- 4 pts

NA 2011

**Area E: Practical Theology**

THE438/THE538 Spirituality Studies -- 4 pts

Murdoch: S1-internal, S1-external

THE491/THE591 Homiletics -- 4 pts

THE491:

Murdoch: S1-internal

THE591:

Murdoch: S2-internal

THE437 Pastoral Practicum II -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

THE585 Pastoral Practicum III -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

**Specified Electives - 16 credit points**

Select from the following or units not already selected from the list of core units above:

THE480 Science and Religion -- 4 pts

Murdoch: S2-internal, S2-external

THE483 Health and Religion -- 4 pts

NA 2011

THE481 Hermeneutics -- 4 pts

Murdoch: S1-internal, S1-external

Students may also undertake up to three projects, to a maximum of 12 points. Master of Ministry projects normally include reflection on the relation of the material to professional practice.

THE583/THE5831 Master of Ministry Project -- 8 pts or 4 pts

Murdoch: H-external, S1-internal, S1-external, S2-internal,

S2-external, Y-internal, Y-external

**General Electives - 12 credit points**

Select from any of the remaining Specified Electives, or from any other 500-level units offered by the University or from approved units offered at other institutions.

**TOURISM****POSTGRADUATE DIPLOMA IN TOURISM****School of Social Sciences and Humanities**

Postgraduate Diploma in Tourism (PgDipTour)

Course Codes: P1055

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent. Commencing Semester 1 only

**Availability:**

- Murdoch campus (internal)
- Some units only: Murdoch campus (external) (all but one unit)

This course aims to provide graduates with a wide understanding of travel and tourism, the tourism industry and the communities affected by tourism. This includes sustainable tourism, indigenous and cultural tourism, and the nature of tourism in Australia, Asia and other major regions of the globe. The course is ideal for career development for those in government and industry who need to work with the tourism industry.

**Employment Prospects:**

Policy, planning and impacts (especially social and political), heritage, desert, regional and community tourism, backpackers, wildlife tourism, tourism modelling and partnerships.

**Admission Requirements (Onshore):**

Recognised Bachelor's degree or higher, or equivalent training, or satisfactory preparation through previous study or professional experience.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Special Requirements:**

There may be a reduction in choice of units if completing this course in the external mode.

**Main Research Areas:**

Tourism planning, heritage tourism, tourism impacts, especially social and political, regional and community tourism planning, backpackers and drive trails, etc.

**Course Structure - 24 credit points****Core Units - 16 credit points**

TOU501 Sustainable Tourism -- 4 pts  
Murdoch: S1-internal, S1-external

TOU601 Tourism Policy and Planning -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

TOU603 Tourism Management -- 4 pts  
Murdoch: S2-internal

TOU602 Tourism Project -- 4 pts  
Murdoch: S2-internal, S2-external

**Specified Electives - 8 credit points**

Select from the following:

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

SOC522 Social Research Methods -- 4 pts  
Murdoch: S1-internal, S1-external

TOU511 Indigenous Tourism Issues -- 4 pts  
NA 2011

TOU510 Cultural Tourism Interpretation -- 4 pts  
Murdoch: S2-internal, S2-external

**VETERINARY SCIENCE****POSTGRADUATE CERTIFICATE IN SMALL ANIMAL PRACTICE (INTERNATIONAL)****School of Veterinary and Biomedical Sciences**

Postgraduate Certificate in Small Animal Practice (International)  
(PgCertSmAniPract)

Course Codes: C1087

Restriction: All postgraduate courses are subject to restriction

Duration: 1 to 2 years part-time only

**Availability:**

- Murdoch campus (external)
- This online course is only available to international students studying offshore.

This course has been designed for veterinarians working in small animal practice in the Asia-Pacific and other tropical and subtropical locations outside Australia, and specifically addresses the challenges and demands of companion animal practice in these geographical regions. This course will provide veterinarians with knowledge and expertise to complement their undergraduate studies in small animal medical diagnosis, surgical principles and infectious and parasitic disease. The entire course is delivered online.

**Employment Prospects:**

Graduates will have the opportunity to use the qualification to supplement their home country veterinary degree and advance their career prospects in the booming small animal practice veterinary industry in South-East Asia, or to apply for enrolment in further Murdoch postgraduate veterinary study.

This course also provides appropriate preparation for the small animal sections of the National Veterinary Examination in Australia or New Zealand (but does not ensure registration.)

**Admission Requirements (Onshore):**

A high level of English competence equivalent to at least IELTS score 6.0, or TOEFL 550 (with the Test of Written English 5) [paper-based], or TOEFL 213 (with the Test of Written English 5) [computer-based].

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Admission Requirements (Offshore):**

Veterinary undergraduate degree obtained from a university outside Australia; completion of a one-week practical short course (offshore workshop) held in Asia.

A high level of English competence equivalent to at least IELTS score 6.0, or TOEFL 550 (with the Test of Written English 5)

[paper-based], or TOEFL 213 (with the Test of Written English 5) [computer-based].

**Special Requirements:**

Internet access is required.

**Professional Recognition:**

There is no professional body recognition of this course. However, many organisations value a postgraduate qualification from an English-speaking and AVMA-accredited institution.

**Further Study:**

Students successfully completing this course may undertake further study in the Master of Veterinary Studies in Small Animal Practice with 12 credit points.

**Course Structure - 16 credit points**

**Core Units - 12 credit points**

VET688 Diagnosis -- 4 pts  
Murdoch: S1-external

VET629 Infectious and Parasitic Diseases -- 4 pts  
Murdoch: S2-external

VET689 Surgical Principles -- 4 pts  
Murdoch: S2-external

**Specified Electives - 4 credit points**

Select from the following:

VET623 Surgery 1 -- 4 pts  
NA 2011

VET624 Surgery 2 -- 4 pts  
Murdoch: S2-external

VET625 Medicine 1 -- 4 pts  
Murdoch: S1-external

VET626 Medicine 2 -- 4 pts  
Murdoch: S2-external

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**POSTGRADUATE CERTIFICATE IN  
VETERINARY STUDIES IN CONSERVATION  
MEDICINE**

**School of Veterinary and Biomedical Sciences**

Postgraduate Certificate in Veterinary Studies in Conservation Medicine  
(PgCertVSConsMed)

Course Codes: C1089

Restriction: All postgraduate courses are subject to restriction

Duration: 1 semester full-time or part-time equivalent

**Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

Conservation medicine is an emerging discipline that involves the integration of veterinary science, conservation biology and public health in order to: advance biodiversity conservation; address issues associated with the interrelationships between human, animal and ecosystem health; and study the effects of global environmental change on these health interrelationships. There is increasing recognition that veterinarians have an important role to play within interdisciplinary teams working on environmental conservation projects.

This course will provide veterinarians with training and expertise which can be applied in private practice, zoos and wildlife conservation projects. It is entirely coursework based.

**Employment Prospects:**

Careers in endangered species recovery projects, as zoo veterinarians or in wildlife conservation through work in private practice.

**Admission Requirements (Onshore):**

Recognised Bachelor of Veterinary Medicine and Surgery (BVMS) or higher, or equivalent training.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Professional Recognition:**

The Australian Veterinary Association recognises veterinary postgraduate study as fulfilling requirements toward required professional development (continuing veterinary education).

**Main Research Areas:**

Wildlife, Zoo and Conservation Medicine.

**Further Study:**

Students who have completed this course may enrol in the Master of Veterinary Studies in Conservation Medicine and will receive credit for units completed for the Postgraduate Certificate.

**Enrolment Restriction:**

Enrolment in this course in Internal mode is subject to approval by the Academic Chair.

**Course Structure - 12 credit points**

**Core Units - 12 credit points**

VET630 Conservation Medicine -- 4 pts  
Murdoch: S1-internal, S2-internal, S2-external

VET631 Wildlife Medicine -- 4 pts  
Murdoch: S1-internal, S1-external

VET639 Conservation Medicine Field Placement/Project -- 4 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

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**POSTGRADUATE CERTIFICATE IN  
VETERINARY STUDIES IN SMALL ANIMAL  
PRACTICE**

**School of Veterinary and Biomedical Sciences**

Postgraduate Certificate in Veterinary Studies in Small Animal Practice  
(PgCertVS)

Course Codes: C1074

Restriction: All postgraduate courses are subject to restriction

Duration: 2 to 3 semesters part-time

**Availability:**

- Murdoch campus (external)

This course is designed to provide the opportunity for veterinarians in practice to further their skills in three discipline areas of interest relevant to Small Animal Medicine and Surgery.

Units include:

Medicine -- endocrinology, renal, cardiorespiratory and alimentary systems;

Surgery -- soft tissue surgery, orthopaedics and musculoskeletal system, Clinical Pathology, Diagnostic Imaging, Dermatology and Anaesthesia and Critical Care, and Infectious and Parasitic Diseases.

**Admission Requirements (Onshore):**

Recognised qualifications that would permit registration as a

Veterinary Surgeon in Australia. Applicants must also submit a written case report as a basis for selection.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**  
Veterinary medicine.

### Course Structure - 12 credit points

#### Specified Electives - 12 credit points

Select at least one of the following:

VET623 Surgery 1 -- 4 pts  
NA 2011

VET624 Surgery 2 -- 4 pts  
Murdoch: S2-external

VET625 Medicine 1 -- 4 pts  
Murdoch: S1-external

VET626 Medicine 2 -- 4 pts  
Murdoch: S2-external

Plus up to 8 points from the following:

VET6200 Diagnostic Imaging -- 4 pts  
NA 2011

VET6210 Clinical Pathology -- 4 pts  
Murdoch: S2-external (quota of 10 places)

VET627 Anaesthesia and Critical Care -- 4 pts  
Murdoch: S1-external

VET628 Dermatology -- 4 pts  
NA 2011

VET629 Infectious and Parasitic Diseases -- 4 pts  
Murdoch: S2-external

## MASTER OF VETERINARY STUDIES IN CONSERVATION MEDICINE

### School of Veterinary and Biomedical Sciences

Master of Veterinary Studies (MVS) in Conservation Medicine  
Course Codes: M1122

Restriction: All postgraduate courses are subject to restriction  
Duration: 1 year full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal) (subject to approval of Academic Chair)
- Murdoch campus (external)

Conservation medicine is an emerging discipline that involves the integration of veterinary science, conservation biology and public health in order to: advance biodiversity conservation; address issues associated with the interrelationships between human, animal and ecosystem health; and study the effects of global environmental change on these health interrelationships. There is increasing recognition that veterinarians have an important role to play within interdisciplinary teams working on environmental conservation projects.

This degree will provide veterinarians with training and expertise which can be applied in private practice, zoos and wildlife conservation projects. It may be entirely coursework-based or may involve a placement with a conservation project either in Australia

or overseas.

#### Employment Prospects:

Careers in endangered species recovery projects, as zoo veterinarians or in wildlife conservation through work in private practice.

#### Admission Requirements (Onshore):

Recognised Bachelor of Veterinary Medicine and Surgery (BVMS) or higher, or equivalent training.

Internet access is required for all students, especially those studying externally.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

#### Special Requirements:

Internet access is required for all students.

#### Professional Recognition:

The Australian Veterinary Association recognises veterinary postgraduate study as fulfilling requirements toward required professional development (continuing veterinary education).

#### Main Research Areas:

Wildlife, Zoo and Conservation Medicine.

### Course Structure - 24 credit points

University regulations require completion of a minimum of 16 points at 600-level and a maximum of 8 points at 500-level for a 24-point Masters by Coursework degree.

#### Core Units - 12 to 16 credit points

VET630 Conservation Medicine -- 4 pts  
Murdoch: S1-internal, S2-internal, S2-external

VET631 Wildlife Medicine -- 4 pts  
Murdoch: S1-internal, S1-external

VET639/VET6391 Conservation Medicine Field Placement/Project -- 4 pts or 8 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

#### Specified Electives - 8 to 12 credit points

Choice of electives will be determined by the total of credit points taken as core units.

Select from the units below. Some electives have specific entrance requirements and students will need to check with Unit Coordinators to determine their eligibility for these units. Students are also able to pursue cross-institutional enrolment opportunities. More information is available upon acceptance into the course.

VET664 Wildlife Comparative Pathology Project -- 4 pts  
Murdoch: S2-internal, S2-external

VET665 Marine Mammal Health and Conservation Project -- 4 pts  
Murdoch: S2-internal, S2-external

VET6200 Diagnostic Imaging -- 4 pts  
NA 2011

VET6210 Clinical Pathology -- 4 pts  
Murdoch: S2-external (quota of 10 places)

VET640 Infectious and Emerging Diseases -- 4 pts  
Murdoch: S2-internal, S2-external

VET641 Principles of Epidemiology -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external



VET642 Practical Applications of Epidemiology -- 4 pts  
Murdoch: S1-internal, S1-external, S2-internal, S2-external

VET649 Surveillance Research Project -- 12 pts  
Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

ENV512 Global and Regional Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

ENV503 GIS for Environmental Management and Planning -- 4 pts  
Murdoch: S2-internal, S2-external

AST650 Society, Culture and Ecology in Asia -- 4 pts  
Murdoch: S1-internal, S1-external

MCC645 Issues and Crisis Management -- 4 pts  
Murdoch: S1-internal

EDU627 Development and Education -- 4 pts  
Murdoch: S1-external

ENV505 Environmental Monitoring -- 4 pts  
Murdoch: S2-internal, S2-external

ENV528 Environmental Policy and Law -- 4 pts  
Murdoch: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century -- 4 pts  
Murdoch: S1-internal, S1-external

EDU650 Environmental Education for Sustainability -- 4 pts  
Murdoch: S2-internal, S2-external

STP612 Sustainability, Ecology and Communities -- 4 pts  
Murdoch: S1-internal, S1-external

STP606 Sustainability Ethics -- 4 pts  
Murdoch: S2-internal, S2-external

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## **MASTER OF VETERINARY STUDIES IN SMALL ANIMAL PRACTICE**

### **School of Veterinary and Biomedical Sciences**

Master of Veterinary Studies (MVS) in Small Animal Practice

Course Codes: M1022

Restriction: All postgraduate courses are subject to restriction

Duration: 2 or 4 years (part-time only)

#### **Availability:**

- Murdoch campus (external)
- This course is not available on campus and so is not generally available to international students studying in Australia on a student visa; however, postgraduate students who have successfully completed the Postgraduate Certificate in Small Animal Practice (International) are eligible to apply. It is available to international students on other visas if visa conditions allow.

This course is designed to provide the opportunity for veterinarians in practice to develop further their skills in a number of discipline areas relevant to small animal medicine and surgery. It will provide instruction on the latest advances in diagnostic techniques and therapy thereby improving the quality of service provided to the animal-owning public.

#### **Admission Requirements (Onshore):**

Recognised qualifications that would permit registration as a Veterinary Surgeon in Australia, and active engagement in small animal practice.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

## **Course Structure - 24 credit points**

### **Core Units - 12 credit points**

VET622 Case Reports -- 4 pts  
Murdoch: S1-external, S2-external

Plus two of the following:

VET623 Surgery 1 -- 4 pts  
NA 2011

VET624 Surgery 2 -- 4 pts  
Murdoch: S2-external

VET625 Medicine 1 -- 4 pts  
Murdoch: S1-external

VET626 Medicine 2 -- 4 pts  
Murdoch: S2-external

### **Specified Electives - 12 credit points**

Select from the Core Units not already taken, or from the following:

VET6200 Diagnostic Imaging -- 4 pts  
NA 2011

VET6210 Clinical Pathology -- 4 pts  
Murdoch: S2-external (quota of 10 places)

VET627 Anaesthesia and Critical Care -- 4 pts  
Murdoch: S1-external

VET628 Dermatology -- 4 pts  
NA 2011

VET629 Infectious and Parasitic Diseases -- 4 pts  
Murdoch: S2-external

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## **MASTER OF VETERINARY STUDIES IN VETERINARY SURVEILLANCE**

### **School of Veterinary and Biomedical Sciences**

Master of Veterinary Studies (MVS) in Veterinary Surveillance

Course Codes: M1121

Restriction: All postgraduate courses are subject to restriction

Duration: 1 year full-time or part-time equivalent

#### **Availability:**

- Murdoch campus (internal)
- Murdoch campus (external)

This degree will provide veterinarians with knowledge and expertise in epidemiology and in particular skills in disease surveillance and monitoring. They will develop the skills necessary for effective disease surveillance and implementation of disease control strategies. The degree will provide instruction on the diagnosis, detection and control of new, emerging and re-emerging diseases.

#### **Employment Prospects:**

This degree will enhance employment opportunities for veterinarians working in Australia and overseas by allowing specialisation in the latest methods to develop and evaluate disease control programs in production animals.

#### **Admission Requirements (Onshore):**

Recognised Bachelor of Veterinary Medicine and Surgery (BVMS) or higher, or equivalent training.

English competence.

Internet access is required for students studying externally; exceptions will be considered on a case-by-case basis.

**Main Research Areas:**

Epidemiology of infectious and non-infectious disease.

**Course Structure - 24 credit points**

**Core Units - 24 credit points**

VET641 Principles of Epidemiology -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

VET642 Practical Applications of Epidemiology -- 4 pts

Murdoch: S1-internal, S1-external, S2-internal, S2-external

VET640 Infectious and Emerging Diseases -- 4 pts

Murdoch: S2-internal, S2-external

VET649 Surveillance Research Project -- 12 pts

Murdoch: H-internal, H-external, S1-internal, S1-external,

S2-internal, S2-external, Y-internal, Y-external

# Teaching Periods

Each unit may be available in one or more teaching periods. Some periods may colloquially be referred to as 'Summer' (F3 and periods beginning with 'SUM', for example) or 'Winter' (periods beginning with W, for example), or other groupings.

A full list of teaching periods at the time of printing is below. Standard teaching periods are highlighted.

Code	Start Date	Census Date	End Date	Code	Start Date	Census Date	End Date
AU10	4/4/2011	9/4/2011	15/4/2011	SP27	24/10/2011	1/11/2011	2/12/2011
AU13	4/4/2011	23/4/2011	10/6/2011	SP3	5/9/2011	10/9/2011	30/9/2011
AU14	25/4/2011	28/4/2011	6/5/2011	SP4	24/10/2011	31/10/2011	25/11/2011
AU2	21/3/2011	28/3/2011	22/4/2011	SP5	10/10/2011	14/10/2011	28/10/2011
AU21	23/4/2011	7/5/2011	10/6/2011	SP6	10/10/2011	17/10/2011	11/11/2011
AU22	7/3/2011	19/3/2011	22/4/2011	SP7	22/8/2011	17/9/2011	21/10/2011
AU3	11/4/2011	14/4/2011	22/4/2011	SP8	20/6/2011	9/7/2011	26/8/2011
AU4	9/5/2011	12/5/2011	20/5/2011	SP9	17/10/2011	24/10/2011	18/11/2011
AU5	11/4/2011	23/4/2011	10/6/2011	SPA1	21/11/2011	10/12/2011	24/2/2012
AU6	14/3/2011	22/3/2011	22/4/2011	<b>SUM</b>	<b>29/11/2010</b>	<b>25/12/2010</b>	<b>4/2/2011</b>
AU7	27/4/2011	7/5/2011	3/6/2011	SUM1	29/11/2010	10/12/2010	21/1/2011
AU8	9/5/2011	17/5/2011	17/6/2011	SUM2	13/12/2010	25/12/2010	11/2/2011
AU9	14/3/2011	17/3/2011	25/3/2011	SUMX	29/11/2010	25/12/2010	4/2/2011
AW1	25/4/2011	14/5/2011	1/7/2011	<b>T1</b>	<b>10/1/2011</b>	<b>5/2/2011</b>	<b>15/4/2011</b>
AW2	23/5/2011	4/6/2011	8/7/2011	T1A	10/1/2011	5/2/2011	22/4/2011
AW3	23/5/2011	4/6/2011	1/7/2011	T1B	10/1/2011	5/2/2011	23/4/2011
DE2	1/8/2011	27/8/2011	9/12/2011	T1C	6/12/2010	1/1/2011	11/3/2011
DE4	14/11/2011	19/11/2011	9/12/2011	T1H	3/12/2010	11/12/2010	10/1/2011
DE7	18/7/2011	20/8/2011	9/12/2011	T1J	3/1/2011	29/1/2011	8/4/2011
DE9	1/8/2011	3/9/2011	16/12/2011	T1L	14/1/2011	22/1/2011	14/2/2011
F3	4/1/2011	11/1/2011	4/2/2011	T1N	21/1/2011	29/1/2011	21/2/2011
<b>H</b>	<b>1/8/2011</b>	<b>8/10/2011</b>	<b>8/6/2012</b>	T1P	25/2/2011	5/3/2011	28/3/2011
HX	1/8/2011	8/10/2011	8/6/2012	T1X	10/1/2011	5/2/2011	15/4/2011
N1	4/9/2011	30/9/2011	15/12/2011	T1Y	6/12/2010	9/1/2011	25/3/2011
N2	23/1/2011	19/2/2011	5/5/2011	<b>T2</b>	<b>2/5/2011</b>	<b>28/5/2011</b>	<b>5/8/2011</b>
R1	1/1/2011	12/2/2011	30/6/2011	T2A	9/5/2011	4/6/2011	12/8/2011
R2	1/7/2011	13/8/2011	31/12/2011	T2B	9/5/2011	4/6/2011	13/8/2011
RAU	14/2/2011	30/6/2011	30/6/2011	T2C	11/4/2011	7/5/2011	22/7/2011
RSP	15/8/2011	31/12/2011	31/12/2011	T2J	25/4/2011	21/5/2011	29/7/2011
<b>S1</b>	<b>14/2/2011</b>	<b>12/3/2011</b>	<b>10/6/2011</b>	T2N	1/4/2011	9/4/2011	2/5/2011
S1B	28/2/2011	26/3/2011	10/6/2011	T2P	6/5/2011	14/5/2011	6/6/2011
S1D	3/1/2011	5/2/2011	10/6/2011	T2Q	10/6/2011	18/6/2011	11/7/2011
S1F	31/1/2011	26/2/2011	10/6/2011	T2R	15/7/2011	23/7/2011	15/8/2011
S1G	31/1/2011	26/2/2011	3/6/2011	T2X	2/5/2011	28/5/2011	5/8/2011
S1K	21/2/2011	19/3/2011	10/6/2011	<b>T3</b>	<b>22/8/2011</b>	<b>17/9/2011</b>	<b>25/11/2011</b>
S1L	24/1/2011	26/2/2011	17/6/2011	T3A	5/9/2011	1/10/2011	9/12/2011
S1X	14/2/2011	12/3/2011	10/6/2011	T3B	5/9/2011	1/10/2011	10/12/2011
<b>S2</b>	<b>1/8/2011</b>	<b>27/8/2011</b>	<b>25/11/2011</b>	T3C	15/8/2011	10/9/2011	11/11/2011
S2G	6/6/2011	9/7/2011	4/11/2011	T3J	15/8/2011	10/9/2011	25/11/2011
S2H	4/7/2011	6/8/2011	25/11/2011	T3Q	23/9/2011	1/10/2011	24/10/2011
S2K	15/8/2011	10/9/2011	25/11/2011	T3R	28/10/2011	5/11/2011	28/11/2011
S2X	1/8/2011	27/8/2011	25/11/2011	T3X	22/8/2011	17/9/2011	25/11/2011
SA1	14/2/2011	12/3/2011	11/6/2011	T4C	6/12/2010	22/1/2011	22/7/2011
SA2	1/8/2011	27/8/2011	26/11/2011	T5C	15/8/2011	29/10/2011	21/7/2012
SB1	4/1/2011	9/1/2011	28/1/2011	TD1	4/9/2011	30/9/2011	8/12/2011
SB3	10/1/2011	15/1/2011	4/2/2011	TD2	9/1/2011	5/2/2011	14/4/2011
SB4	4/1/2011	11/1/2011	5/2/2011	TD3	8/5/2011	4/6/2011	11/8/2011
SB6	4/1/2011	12/1/2011	11/2/2011	UA1	31/1/2011	6/2/2011	28/2/2011
SB7	17/1/2011	22/1/2011	11/2/2011	UA2	24/1/2011	29/1/2011	18/2/2011
SC1	1/1/2011	12/2/2011	30/6/2011	UA3	14/2/2011	26/2/2011	15/4/2011
SC2	1/7/2011	7/8/2011	31/12/2011	UA6	2/2/2011	12/2/2011	11/3/2011
SP1	5/9/2011	12/9/2011	7/10/2011	UA8	14/2/2011	21/2/2011	19/3/2011
SP10	17/10/2011	20/10/2011	28/10/2011	UW2	14/2/2011	19/3/2011	22/7/2011
SP11	22/8/2011	30/8/2011	30/9/2011	UW3	7/2/2011	19/3/2011	12/8/2011
SP17	26/9/2011	8/10/2011	25/11/2011	UW4	29/11/2010	22/1/2011	29/7/2011
SP18	29/8/2011	5/9/2011	30/9/2011	<b>W</b>	<b>13/6/2011</b>	<b>25/6/2011</b>	<b>29/7/2011</b>
SP2	8/8/2011	27/8/2011	28/10/2011	W1	13/6/2011	20/6/2011	15/7/2011
SP21	27/6/2011	9/7/2011	19/8/2011	W12	18/7/2011	21/7/2011	29/7/2011
SP22	25/7/2011	30/7/2011	19/8/2011	W14	20/6/2011	28/6/2011	29/7/2011
SP23	11/7/2011	23/7/2011	26/8/2011	W2	27/6/2011	4/7/2011	29/7/2011

Code	Start Date	Census Date	End Date
W4	13/6/2011	21/6/2011	22/7/2011
W5	25/7/2011	28/7/2011	5/8/2011
WF	13/6/2011	25/6/2011	29/7/2011
WU1	1/8/2011	10/9/2011	3/2/2012
WU3	13/6/2011	30/7/2011	3/2/2012
WX	13/6/2011	25/6/2011	29/7/2011
<b>Y</b>	<b>14/2/2011</b>	<b>16/4/2011</b>	<b>25/11/2011</b>
Y1	10/1/2011	19/3/2011	25/11/2011
Y2	31/1/2011	2/4/2011	25/11/2011
Y3	7/2/2011	9/4/2011	25/11/2011
YX	14/2/2011	16/4/2011	25/11/2011

# Units

Units are offered at Murdoch campus, Peel Education and TAFE campus and Rockingham campus, plus other locations through partnerships with tertiary education providers including selected Australian universities and overseas institutions. Units on offer this year are listed and described in this section of the Handbook.

## Cancellation of Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University.

<b>Animal Science</b>		<b>Points</b>
Agricultural Biochemistry (ANS251)	Murdoch: S1-internal	4
Animal and Human Bioethics (ANS106)	Murdoch: S2-internal	3
Animal Industry Experience (ANS357)	Murdoch: S2-internal	0
Animal Microbiology (ANS351)	Murdoch: S2-internal	4
Animal Molecular Biology (ANS252)	Murdoch: S1-internal	4
Animal Nutrition and Toxicology (ANS354)	Murdoch: S1-internal	4
Animal Parasitology (ANS356)	Murdoch: S2-internal	4
Animal Production Systems I (ANS101)	Murdoch: S2-internal	3
Animal Production Systems II (ANS250)	Murdoch: S1-internal	4
Animal Production Systems III (ANS353)	Murdoch: S1-internal	4
Animal Production Systems IV (ANS458)	Murdoch: Y-internal	4
Animal Science Research Project (ANS450)	Murdoch: Y-internal	12
Applied Animal Agriculture (ANS459)	Murdoch: S1-internal, S2-internal, Y-internal	4
Applied Animal Breeding (ANS4591)	Murdoch: S1-internal, S2-internal, Y-internal	4
Equine Nutrition and Health (ANS362)	Not available 2011	4
Equine Physiology and Behaviour (ANS361)	Murdoch: S2-internal	4
Introduction to the Animal Body (ANS102)	Murdoch: S1-internal	3
Pathology and Disease of Production Animals (ANS350)	Murdoch: S1-internal	4
Physiology and Anatomy of Farm Animals (ANS253)	Murdoch: S2-internal	4

<b>Asian Studies</b>		<b>Points</b>
Anthropology and Its Others (AST212)	Murdoch: S1-internal, S1-external	4
Anthropology and Its Others (AST612)	Murdoch: S1-internal, S1-external	4
Asian Studies Dissertation (AST634)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Asian Studies Project (AST632)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Asian Studies Project (AST6321)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Contemporary Asia: Nations, Narratives, Cultures (AST330)	Murdoch: S2-internal, S2-external	4
Contemporary Asia: Nations, Narratives, Cultures (AST630)	Murdoch: S2-internal, S2-external	4
Culture and Religion in Asia (AST252)	Murdoch: S2-internal	4
Culture and Religion in Asia (AST552)	Murdoch: S2-internal	4
Development Studies Dissertation (AST640)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	12
Development Studies Project (AST641)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, Y-internal, Y-external	8
Development Studies Project (AST6411)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, Y-internal, Y-external	4
Introduction to Asian Cultures (AST102)	Murdoch: S1-internal, S1-external	3
Introduction to Contemporary Asia (AST101)	Not available 2011	3
Perceptions of South-East Asian Society (AST256)	Not available 2011	4

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Perceptions of South-East Asian Society (AST656)	Not available 2011	4
Rise of Asia and Modern History (AST331)	Not available 2011	4
Rise of Asia and Modern History (AST631)	Not available 2011	4
Society, Culture and Ecology in Asia (AST250)	Murdoch: S1-internal, S1-external	4
Society, Culture and Ecology in Asia (AST650)	Murdoch: S1-internal, S1-external	4
Special Topics in Asian Studies (AST253)	Topic not currently offered	4
The People's History of South-East Asia (AST276)	Murdoch: S2-internal, S2-external	4
The People's History of South-East Asia (AST676)	Murdoch: S2-internal, S2-external	4
Women in Asian Societies (AST258)	Murdoch: S2-internal, S2-external	4
Women in Asian Societies (AST558)	Murdoch: S2-internal, S2-external	4

### Australian Indigenous Studies

### Points

Australian Indigenous Politics: Resistance or Collusion (AIS205)	Murdoch: S2-internal, S2-external	4
Australian Indigenous Politics: Resistance or Collusion (AIS505)	Murdoch: S2-internal, S2-external	4
Blacks and Whites: Aboriginal Colonised History (AIS338)	Murdoch: S2-internal, S2-external	4
Blacks and Whites: Aboriginal Colonised History (AIS638)	Murdoch: S2-internal, S2-external	4
Contemporary Indigenous Cultural Expression (AIS174)	Murdoch: S2-internal, S2-external	3
Contemporary Indigenous Issues (AIS281)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Contemporary Indigenous Issues (AIS581)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Country, Nature and Identity: Indigenous Sustainability (AIS301)	Murdoch: S1-internal, S1-external	4
Country, Nature and Identity: Indigenous Sustainability (AIS601)	Murdoch: S1-internal, S1-external	4
Indigeneity and Critical Theory (AIS303)	Murdoch: S2-internal, S2-external	4
Indigeneity and Critical Theory (AIS603)	Murdoch: S2-internal, S2-external	4
Introduction to Australian Indigenous Studies (AIS180)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Introduction to Nyungar Culture (AIS177)	Murdoch: S1-internal, S1-external, S2-internal, S2-external Rockingham: S2-internal	3
Master of Arts by Coursework Dissertation (AIS650)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	12
Master of Arts by Coursework Project (AIS620)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Our Mob: Indigenous Families (AIS228)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Our Mob: Indigenous Families (AIS528)	Murdoch: S1-internal, S1-external	4
Special Topics in Australian Indigenous Studies: Indigenous Spirituality (AIS250)	Murdoch: S1-internal, S1-external	4
Special Topics in Australian Indigenous Studies: Spirituality (AIS530)	Murdoch: S1-internal, S1-external	4
Wanju Boodjah 'Welcome To Country' (AIS272)	Murdoch: W1-internal	6
Wanju Boodjah 'Welcome To Country' (AIS2721)	Murdoch: W1-internal	4

### Biological Sciences and Biotechnology

### Points

Animal Diversity (BIO261)	Murdoch: S1-internal	4
Biochemistry I (BIO270)	Murdoch: S2-internal	4
Biochemistry II (BIO371)	Murdoch: S2-internal	4
Bodies of Evidence (BIO215)	Murdoch: S1-internal	4
Cell Biology (BIO152)	Murdoch: S2-internal	3
Conservation Biology (BIO368)	Murdoch: S1-internal	4
Environmental Biology (BIO103)	Murdoch: S1-internal, S1-external DUBAI-ISC: N2-internal	3
Forensic DNA Analysis (BIO313)	Murdoch: S1-internal	4
Forensic Toxicology (BIO314)	Murdoch: S2-internal	4
Genetic Engineering (BIO212)	Murdoch: S1-internal	4
Genetics and Evolution (BIO372)	Murdoch: S2-internal	4

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Honours Thesis in Conservation and Wildlife Biology (BIO4079-12)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Immunology, Vaccines and Cell Culture (BIO252)	Murdoch: S2-internal	4
Industrial Bioprocessing and Bioremediation (BIO301)	Murdoch: S2-internal	4
Industry Practicum (BIO300)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	4
Industry Practicum (BIO3002)	Murdoch: S1-internal, S2-internal, Y-internal	2
Industry Practicum (BIO3003)	Murdoch: S1-internal, S2-internal, Y-internal	3
Introduction to Australian Biodiversity (BIO157)	Murdoch: S2-internal	3
Introduction to Marine Biology (BIO180)	Murdoch: S2-internal	3
Marine and Estuarine Biology (BIO384)	Murdoch: S1-internal	4
Microbiology I (BIO263)	Murdoch: S1-internal	4
Microbiology II (BIO364)	Murdoch: S1-internal	4
Molecular Genetics (BIO316)	Murdoch: S1-internal	4
Plant Biosecurity in Practice (BIO538)	Murdoch: S1-external	3
Plant Biosecurity Masters Research Dissertation (BIO629)	Murdoch: S1-external, S2-external	12
Plant Biosecurity: Detection and Diagnostics (BIO537)	Murdoch: S1-external	3
Plant Biotechnology and Proteomics (BIO253)	Murdoch: S1-internal	4
Plant Diversity (BIO265)	Murdoch: S1-internal	4
Plant Diversity (Marine Science) (BIO287)	Murdoch: S1-internal	4
Professional Experience Program (Crime Scene Investigation) (BIO327)	Murdoch: DE4-internal	4
Special Topics in Biological Sciences and Biotechnology (BIO280)	Topic not currently offered	4
Special Topics in Biotechnology (BIO470)	Topic not currently offered	4
Sustainable Management of Fish and Wildlife (BIO205)	Murdoch: S2-internal	4
Sustainable Management of Fish and Wildlife (BIO505)	Murdoch: S2-internal	4
Tropical Marine Biology (BIO383)	Murdoch: W-internal (quota of 24 places)	4
Wildlife Biology (BIO317)	Murdoch: S2-internal	4

### Biomedical Science

### Points

Advances in Medical Science (BMS368)	Murdoch: S2-internal	4
Biomedical Physiology (BMS264)	Murdoch: S1-internal	4
Biomedical Science Research Project (BMS304)	Murdoch: S1-internal	4
Comparative and Human Microbiology (BMS203)	Murdoch: S2-internal	4
Essentials of Pharmacology and Chemotherapy (BMS365)	Murdoch: S1-internal	4
Forensic Anatomy and Anthropology (BMS202)	Murdoch: S1-internal	4
Human and Comparative Biochemistry (BMS261)	Murdoch: S1-internal	4
Introduction to the Human Body (BMS101)	Murdoch: S1-internal	3
Mechanisms of Disease (BMS360)	Murdoch: S1-internal	4
Medical Immunology and Molecular Genetics (BMS265)	Murdoch: S2-internal	4
Parasitology (BMS364)	Murdoch: S2-internal	4
Principles of Vertebrate Physiology (BMS107)	Murdoch: S2-internal	3

### Business School Postgraduate

### Points

Accounting for Managers (MBS513)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T1A-internal, T3A-internal SGP1: T3R-internal	4
Accounting for Managers (MBS5132)	Murdoch: SUM1-internal	4
Accounting Processes (MBS653)	Murdoch: S1-internal, S2-internal	4
Accounting Theory and Governance (MBS633)	Murdoch: S2-internal	4
Acquisition of Human Resources (MBS511)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T3A-internal	4
Advanced Business Research Methods Seminar (MBS620)	Murdoch: S1-internal	4
Advanced Statistics Seminar (MBS621)	Not available 2011	6
Auditing (MBS634)	Murdoch: S1-internal	4

Business Finance (MBS605)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD3-internal KAPLAN-SGP: T2A-internal SGP1: T2P-internal	4
Chinese Economy (MBS593)	Murdoch: W-internal, W-external	4
Company Law (MBS509)	Murdoch: S1-internal	4
Comparative Employee Relations (MBS624)	Murdoch: S2-internal, S2-external	4
Contemporary China (MBS541)	Murdoch: S2-internal, S2-external	4
Corporate Accounting (MBS632)	Murdoch: S2-internal	4
Dispute Management (MBS618)	Murdoch: AU5-internal, AU5-external KAPLAN-SGP: T3A-internal SGP1: T1P-internal	4
Doctor of Business Administration Thesis (MBS700)	Murdoch: S1-internal, S2-internal	12
Doctor of Human Resource Management Thesis (MBS784)	Murdoch: S1-internal, S2-internal	12
Economics and Business Strategy (MBS666)	Murdoch: S2-internal, S2-external	4
Economics of Globalisation (MBS531)	Murdoch: SUM-internal, SUM-external DUBAI-ISC: TD1-internal	4
Effective Leadership (MBS671)	Murdoch: S1-internal, S1-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T3A-internal KDUPJ: S1K-internal SGP1: T1N-internal	4
Effective Leadership (MBS6712)	Murdoch: SUM1-internal	4
Entrepreneurship and Innovation Management (MBS629)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD3-internal SGP1: T2Q-internal	4
Health and Well-Being in the Workplace (MBS570)	Not available 2011	4
Human Resource Management Law (MBS501)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T2A-internal	4
Human Resource Management Perspectives (MBS617)	Murdoch: S1-internal, S1-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T2A-internal	4
Industrial Project (MBS615)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, WU3-internal, Y-internal, Y-external	8
International Business (MBS630)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD3-internal SGP1: T2N-internal	4
International Business Enterprise Development (MBS672)	Murdoch: WU3-internal	4
International Study Tour (MBS652)	Murdoch: W-internal (quota of 35 places)	4
Law for Business (MBS502)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T1A-internal, T3A-internal	4
Macroeconomics A (MBS562)	Murdoch: S1-internal, S1-external	4
Management Accounting (MBS627)	Murdoch: S1-internal	4
Management of Not for Profit Organisations (MBS651)	Murdoch: S1-internal, S1-external	4
Managing Professional Practice (MBS528)	Not available 2011	4
Managing Remuneration, Benefits and Motivation (MBS626)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD3-internal KAPLAN-SGP: T2A-internal	4
Managing, Evaluating and Developing Human Resources (MBS625)	Murdoch: S1-internal, S1-external DUBAI-ISC: TD3-internal KAPLAN-SGP: T3A-internal	4
Occupational Health and Safety Law (MBS623)	Murdoch: W-internal, W-external	4

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Organisational Behaviour and Management (MBS508)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T1A-internal, T3A-internal SGP1: T2N-internal	4
Organisational Behaviour and Management (MBS5082)	Murdoch: W4-internal	4
Organisational Change, Management and Consultancy (MBS548)	Murdoch: SUM-internal, SUM-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T3A-internal	4
Project Management (MBS641)	Murdoch: W-internal, W-external DUBAI-ISC: TD2-internal SGP1: T1H-internal	4
Qualitative Business Research Methods (MBS619)	Murdoch: S2-internal	4
Quantitative Business Research Methods (MBS616)	Not available 2011	4
Quantitative Methods for Business (MBS522)	Murdoch: S1-internal	4
Research Project (MBS612)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	4
Risk Management (MBS572)	Murdoch: S2-internal, S2-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T2A-internal	4
Special Topics in Business (MBS699)	Topic not currently offered	4
Special Topics in Business: Islamic Banking and Finance (MBS6991)	Murdoch: W-internal, W-external	4
Strategic Decision-Making (MBS606)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD1-internal, TD2-internal KAPLAN-SGP: T2A-internal SGP1: T1N-internal	4
Strategic Marketing Management (MBS507)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T2A-internal SGP1: T3Q-internal	4
Strategic Marketing Management (MBS5072)	Murdoch: W4-internal	4
Supply Chain Management and Logistics (MBS558)	Murdoch: SUM-internal, SUM-external SGP1: T2R-internal	4
Taxation (MBS514)	Murdoch: S2-internal	4

### Business School Undergraduate

### Points

Accounting Theory and Accountability (BUS310)	Murdoch: S2-internal KDUPJ: S2K-internal SGP1: T2B-internal	4
Advanced Human Resource Perspectives (BUS320)	Murdoch: S1-internal, SB4-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S1K-internal SGP1: T2B-internal	4
Advertising Production (BUS339)	Murdoch: S1-internal	4
Applied Sustainable Entrepreneurship and Business Innovation (BUS331)	Murdoch: S2-internal	4
Auditing (BUS312)	Murdoch: S2-internal KDUPJ: S2K-internal SGP1: T2B-internal	4
Australian Business and the Economy (BUS162)	Murdoch: S2-internal, S2-external	3
Australian Legal System (BUS150)	Not available 2011	3
Business and Technical Communication (BUS204)	Murdoch: S2-internal, SB4-internal	4
Business Feasibility and Management Concepts (BUS215)	Murdoch: S1-internal	4
Business Processes, Accounting and Information Technology (BUS314)	Not available 2011	4
Changing Economies of Asia (BUS272)	Murdoch: S1-internal, S1-external KDUPJ: S1K-internal	4

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Chinese Business (BUS243)	Murdoch: S1-internal, S1-external	4
Chinese Economy (BUS234)	Murdoch: S2-internal, S2-external, SB4-internal	4
Commercial Banking (BUS326)	Murdoch: S2-internal SGP1: T2B-internal	4
Company Law (BUS328)	Murdoch: S2-internal Rockingham: S2-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Consumer Behaviour (BUS273)	Murdoch: S2-internal, S2-external DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T2B-internal	4
Contemporary China (BUS241)	Murdoch: S2-internal, S2-external	4
Contemporary Financial Accounting (BUS256)	Murdoch: S1-internal, S1-external KDUPJ: S1K-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4
Conversational Chinese (BUS233)	Murdoch: S1-internal	4
Corporate Finance (BUS224)	Murdoch: S1-internal, S1-external, S2-internal Rockingham: S1-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T2A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4
Credit and Lending Decisions (BUS337)	Murdoch: S1-internal SGP1: T2B-internal	4
Derivative Securities (BUS325)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T3A-internal SGP1: T1B-internal, T3B-internal	4
Digital Marketing (BUS305)	Murdoch: S1-internal, S2-internal	4
Econometrics (BUS294)	Murdoch: S2-internal, S2-external	4
Employee Relations (BUS222)	Murdoch: S1-internal, S1-external KDUPJ: S1K-internal	4
Employment Relations in Asia (BUS251)	KAPLAN-SGP: T2A-internal SGP1: T2B-internal	4
Entrepreneurship in Organisations (BUS274)	Murdoch: S2-internal, S2-external	4
Environmental and Social Accounting (BUS249)	Not available 2011	4
Finance Law (BUS206)	Murdoch: S1-internal DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T3A-internal SGP1: T1B-internal, T3B-internal	4
Human Resource Economics (BUS375)	Murdoch: S2-internal, S2-external, SB4-internal KAPLAN-SGP: T3A-internal KDUPJ: S2K-internal, SB4-internal SGP1: T1B-internal, T3B-internal	4
Integrated Marketing Communications (BUS336)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal SGP1: T2B-internal	4
International Accounting (BUS319)	Not available 2011	4
International Finance (BUS322)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T3A-internal SGP1: T1B-internal, T3B-internal	4
International Financial Markets and Institutions (BUS290)	Murdoch: S1-internal, S1-external, SB4-internal KAPLAN-SGP: T3A-internal SGP1: T1B-internal, T3B-internal	4

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International Management (BUS323)	Murdoch: S1-internal DUBAI-ISC: N2-internal KDUPJ: S1K-internal SGP1: T2B-internal	4
International Marketing (BUS321)	Murdoch: S1-internal, S2-internal DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
International Study Tour (BUS252)	Murdoch: W-internal (quota of 35 places)	4
Introduction to Accounting (BUS160)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal DUBAI-ISC: N1-internal KDUPJ: S2K-internal	3
Introduction to Economics (BUS161)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal DUBAI-ISC: N2-internal KDUPJ: S1K-internal	3
Introductory Chinese (BUS102)	Murdoch: S2-internal, S2-external	3
Investment Analysis (BUS311)	Murdoch: S1-internal DUBAI-ISC: N2-internal SGP1: T2B-internal	4
Knowledge and Organisational Learning (BUS378)	Murdoch: S1-internal DUBAI-ISC: N2-internal KAPLAN-SGP: T3A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Macroeconomics A (BUS260)	Murdoch: S1-internal, S1-external	4
Macroeconomics B (BUS360)	Murdoch: S2-internal, S2-external	4
Management Accounting (BUS227)	Murdoch: S2-internal, S2-external Rockingham: S2-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Marketing and Advertising Law (BUS209)	Murdoch: S1-internal DUBAI-ISC: N2-internal KAPLAN-SGP: T2A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Marketing Management (BUS214)	Murdoch: S1-internal, S1-external, SB4-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S1K-internal, SB4-internal SGP1: T2B-internal	4
Marketing Research and Analysis (BUS335)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Microeconomics A (BUS261)	Murdoch: S1-internal, S1-external	4
Microeconomics B (BUS361)	Murdoch: S2-internal, S2-external	4
Organisational Development and Human Resources Management (BUS240)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4

Organisational Theory and Behaviour (BUS223)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S1K-internal, SB4-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4
Principles of Commercial Law (BUS165)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal DUBAI-ISC: N1-internal KDUPJ: S2K-internal	3
Principles of Finance and Banking (BUS140)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N2-internal KDUPJ: S2K-internal	3
Principles of Management (BUS145)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal DUBAI-ISC: N1-internal KDUPJ: S2K-internal	3
Principles of Marketing (BUS169)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N2-internal KDUPJ: S1K-internal	3
Quantitative Methods for Business and Economics (BUS208)	Murdoch: S1-internal, S1-external DUBAI-ISC: N1-internal	4
Semester in China (BUS347)	Murdoch: S1-internal, S2-internal	12
Services Marketing (BUS324)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Special Topics in Commerce: Logistics and Supply Chain Management (BUS201)	Murdoch: S2-internal	4
Special Topics in Commerce: Work-Based Business Learning (BUS2011)	Murdoch: S1-internal (quota of 40 places)	4
Special Topics in Economics (BUS2001)	Topic not currently offered	4
Special Topics in Economics: Indigenous Economic Development (BUS200)	Murdoch: S2-internal, S2-external	4
Strategic Management (BUS317)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Taxation (BUS313)	Murdoch: S1-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Technology and Accounting Processes (BUS217)	Murdoch: S1-internal, S1-external, S2-internal, S2-external Rockingham: S2-internal KDUPJ: S1K-internal, S2K-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4
Technology and the Law (BUS216)	Murdoch: S2-internal	4
The Economics of Global Climate Change (BUS250)	Murdoch: S2-internal, S2-external	4
Topics in Taxation (BUS315)	Murdoch: S2-internal	4
Tourism and Hospitality Law (BUS207)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal SGP1: T1B-internal, T3B-internal	4
Treasury Management (BUS244)	Murdoch: S1-internal, S1-external DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T3A-internal SGP1: T1B-internal, T2B-internal, T3B-internal	4

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Workplace Law (BUS228)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Writing and Translating Chinese (BUS346)	Murdoch: S2-internal	4

## Chiropractic Points

Acquisition of Skills and Motor Control (CHI222)	Murdoch: S1-internal	4
Advanced Skills and Motor Control (CHI330)	Murdoch: S2-internal	2
Advanced Sports Psychology (CHI331)	Murdoch: S2-internal	2
Advanced Topics in Exercise Physiology (CHI469)	Murdoch: T1-internal	2
Anatomy (CHI2601)	Not available 2011	2
Assessment Management of Sports Injuries (CHI686)	Murdoch: H-external, Y-external	4
Biochemistry (CHI2602)	Not available 2011	2
Biomechanics (CHI2611)	Not available 2011	2
Biomechanics and Diagnostic Palpation Skills (CHI209)	Murdoch: S2-internal	4
Cardiopulmonary Rehabilitation (CHI452)	Murdoch: T1-internal	2
Chiropractic Biochemistry (CHI281)	Murdoch: S1-internal	4
Chiropractic History and Principles (CHI210)	Murdoch: S1-internal, SUM-external	2
Chiropractic Skills and Principles I (CHI109)	Murdoch: S1-internal	3
Chiropractic Skills and Principles II (CHI309)	Murdoch: S2-internal	4
Chiropractic Skills and Principles III (CHI409)	Murdoch: T1-internal	2
Clinical Diagnosis (CHI2642)	Not available 2011	2
Clinical Experience of Treating Sports Injuries (CHI688)	Murdoch: H-external, Y-external	4
Clinical Nutrition (CHI2632)	Not available 2011	2
Clinical Orthopaedics and Neurology (CHI304)	Murdoch: S2-internal	4
Clinical Practicum (CHI584)	Murdoch: Y1-internal	12
Clinical Practicum I (CHI2651)	Not available 2011	2
Clinical Practicum II (CHI2652)	Not available 2011	2
Clinical Practicum III (CHI2653)	Not available 2011	2
Clinical Practicum IV (CHI3651)	Not available 2011	2
Clinical Practicum V (CHI3652)	Not available 2011	2
Clinical Practicum VI (CHI3653)	Not available 2011	2
Clinical Radiology (CHI420)	Murdoch: T2-internal (quota of 70 places)	2
Decision Making in Clinical Imaging (CHI586)	Murdoch: T1-internal	2
Diagnosis and Chiropractic Skills (CHI302)	Murdoch: S1-internal	4
Dissertation (Research Project) (CHI675)	Murdoch: H-external, Y-external	12
Ethics and Jurisprudence (CHI581)	Murdoch: T2-internal	2
Evidence-based Practice (CHI385)	Murdoch: S2-internal	2
Exercise Physiology I (CHI226)	Murdoch: S1-internal	4
Exercise Physiology II (CHI227)	Murdoch: S2-internal	4
Exercise Physiology Practicum (CHI470)	Murdoch: Y-internal	12
Exercise Science Practicum (CHI390)	Murdoch: H-internal, Y-internal	8
Exercise, Programming and Prescription (CHI318)	Murdoch: S2-internal	4
Functional Human Anatomy (CHI108)	Murdoch: S2-internal	3
Head/Cervical Spine Care (CHI3621)	Not available 2011	2
Health, Fitness and Performance Assessment (CHI208)	Murdoch: S1-internal	4
Hip/Knee/Ankle/Foot Care (CHI3631)	Not available 2011	2
Human Anatomy I (CHI280)	Murdoch: S1-internal	4
Human Anatomy II (CHI282)	Murdoch: S2-internal	4
Immunology, Genetics and Microbiology (CHI305)	Murdoch: S2-internal	4
Introduction and Application of Epidemiology (CHI106)	Murdoch: S2-internal	3
Laboratory Diagnosis (CHI2643)	Not available 2011	2
Mental Health Issues In Chiropractic Care (CHI488)	Murdoch: T3-internal	2
Metabolic Rehabilitation (CHI451)	Murdoch: T3-internal	2
Neuromuscular Rehabilitation (CHI453)	Murdoch: T2-internal	2

Students should ensure they are familiar with the University's internal legislation, including provisions specifically relevant to their studies. See the University Regulation overview in this Handbook and view legislation online at <http://www.murdoch.edu.au/goto/legislation/>

Neuromusculoskeletal Rehabilitation in Overview (CHI680)	Murdoch: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation in Overview (CHI6801)	CEASYDNEY: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Lower Body (CHI682)	Murdoch: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Lower Body (CHI6821)	CEASYDNEY: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI684)	Murdoch: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI6841)	CEASYDNEY: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Upper Body (CHI683)	Murdoch: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Upper Body (CHI6831)	CEASYDNEY: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI685)	Murdoch: H-external, Y-external	4
Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI6851)	CEASYDNEY: H-external, Y-external	4
Nutrition (CHI213)	Murdoch: S1-internal	2
Orthopaedics/Neurology (CHI3601)	Not available 2011	2
Pathology (CHI2621)	Not available 2011	2
Patient Management Procedures (CHI3611)	Not available 2011	2
Physical Assessment and Rehabilitation (CHI328)	Murdoch: S1-internal	4
Physical Diagnosis (CHI2641)	Not available 2011	2
Physical Examination (CHI283)	Murdoch: S2-internal	4
Physiological Therapeutics (CHI423)	Murdoch: T3-internal	2
Physiology (CHI2612)	Not available 2011	2
Pre-clinical Practicum (CHI484)	Murdoch: Y-internal	6
Primary Practice I: Clinical Science and Diagnosis (CHI303)	Murdoch: S1-internal	4
Primary Practice II: Physical Rehabilitation (CHI411)	Not available 2011	4
Primary Practice II: Physical Rehabilitation I (CHI442)	Murdoch: T1-internal	2
Primary Practice III: Differential Diagnosis I (Musculoskeletal) (CHI443)	Murdoch: T2-internal	2
Primary Practice IV: Differential Diagnosis II (CHI444)	Murdoch: T1-internal (quota of 70 places)	2
Primary Practice V: Physical Rehabilitation II (CHI445)	Murdoch: T2-internal	2
Primary Practice VI: Pharmacology (CHI446)	Murdoch: T2-internal	2
Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI681)	Murdoch: H-external, Y-external	4
Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI6811)	CEASYDNEY: H-external, Y-external	4
Principles of Chiropractic (CHI2622)	Not available 2011	2
Principles of Sports Science (CHI124)	Murdoch: S1-internal	3
Principles of Strength and Conditioning (CHI225)	Murdoch: S2-internal	4
Processes in Human Disease (CHI301)	Murdoch: S1-internal	4
Professional Experience Project (CHI676)	Murdoch: H-external, S1-external, S2-external, Y-external	12
Professional Practice Management (CHI519)	Murdoch: T1-internal	2
Public Health (CHI2631)	Not available 2011	2
Public Health (CHI509)	Murdoch: T2-internal	2
Radiography: Principles and Positioning (CHI421)	Murdoch: T3-internal	4
Radiology (CHI3602)	Not available 2011	2
Record Keeping, Documentation and Quality Assurance (CHI3641)	Not available 2011	2
Rehabilitation and Management of Sports Injuries (CHI687)	Murdoch: H-external, Y-external	4
Research Methods (CHI3612)	Not available 2011	2
Research Methods and Epidemiology (CHI677)	Murdoch: H-external, S1-external, S2-external, Y-external	4
Shoulder/Elbow/Wrist/Hand Care (CHI3632)	Not available 2011	2
Special Population Care (CHI3642)	Not available 2011	2
Special Topics (CHI678)	Not available 2011	4
Special Topics in Chiropractic (CHI332)	Topic not currently offered	4
Special Topics Review (CHI589)	Murdoch: T3-internal	2
Sports Biomechanics (CHI674)	Murdoch: H-external, S1-external, S2-external, Y-external	4
Sports Nutrition (CHI689)	Murdoch: H-external, Y-external	4
Sports Psychology (CHI224)	Murdoch: S1-internal	2
Sports Psychology (CHI679)	Murdoch: H-external, S1-external, S2-external, Y-external	4

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Sports Science Practicum (CHI315)	Murdoch: H-internal, Y-internal	8
Thoracic/Lumbar Spine and Pelvis Care (CHI3622)	Not available 2011	2
Workplace Practicum (CHI329)	Not available 2011	4

### Community Development

### Points

Community and Social Policy (COD355)	Murdoch: S1-internal, S1-external	4
Community and Social Policy (COD655)	Murdoch: S1-internal, S1-external	4
Community Development Dissertation (COD650)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Community Development Theory and Practice (COD545)	Murdoch: S1-internal, S1-external	4
Community Work across Sites, Settings and Peoples (COD235)	Murdoch: S2-internal, S2-external	4
Community Work across Sites, Settings and Peoples (COD535)	Murdoch: S2-internal, S2-external	4
Creative Ways to Work with Community (COD334)	Murdoch: S1-internal, S1-external	4
Creative Ways to Work with Community (COD634)	Murdoch: S1-internal, S1-external	4
Developing Community Leadership (COD236)	Murdoch: SUM2-internal (quota of 24 places)	4
Introduction to Community Development (COD125)	Murdoch: S1-internal, S1-external	3
Master of Arts by Coursework Project (COD620)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Master of Arts by Coursework Project (COD6201)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Projects in Community Development (COD324)	Murdoch: S2-internal, S2-external	4
Projects in Community Development (COD624)	Murdoch: S2-internal, S2-external	4

### Criminology

### Points

Criminal Behaviour (CRM210)	Murdoch: S1-internal	4
Criminal Justice (CRM205)	Murdoch: S1-internal	4
Criminology (CRM206)	Murdoch: S2-internal	4
Psychology and Law (CRM209)	Murdoch: S2-internal	4
Restorative Justice (CRM231)	Murdoch: S2-internal	4
Sentencing and Penology (CRM220)	Murdoch: S1-internal	4
Special Topics in Criminology (CRM300)	Topic not currently offered	4
Special Topics in Criminology (CRM3002)	Topic not currently offered	4

### Education 'EDN'

### Points

Aboriginal Perspectives Across the Curriculum (EDN263)	Murdoch: S1-internal	4
Adolescent Health and Development (EDN445)	Not available 2011	2
Children's Literature in the Classroom (EDN201)	Murdoch: S2-external Rockingham: S2-internal	4
Children's Literature in the Classroom (EDN401)	Murdoch: S2-external Rockingham: S2-internal	4
Creating Effective Learning Environments (EDN422)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Drama and the Curriculum (Secondary) (EDN312)	Murdoch: S1-internal, S1-external	2
Drama and the Curriculum (Secondary) (EDN412)	Murdoch: UW2-internal, UW2-external	4
Education for Social Justice (EDN224)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Education for Social Justice (EDN2241)	Murdoch: S1-internal, S1-external	3
Engaging Communities through Drama (EDN352)	Not available 2011	4
English and the Curriculum (Secondary) (EDN313)	Murdoch: S1-internal, S1-external	2
English and the Curriculum (Secondary) (EDN413)	Murdoch: UW2-internal, UW2-external	4
Health and Physical Education and the Curriculum (EDN419)	Not available 2011	4
ICT in the Classroom (EDN205)	Murdoch: S2-internal, S2-external	4
Inclusive Education (EDN334)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Inclusive Education (EDN3341)	Murdoch: SP26-internal, SP26-external	2

Inclusive Education (EDN3342)	Murdoch: S1-internal, S1-external	6
Integrated Early Childhood Curriculum (EDN322)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Language for Learning and Teaching (EDN111)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Learning and Assessment Processes (EDN245)	Murdoch: Y-internal, Y-external	3
Learning and Teaching in Educational Communities (EDN300)	Murdoch: AU4-external Rockingham: AU4-external	4
Learning and Teaching in Educational Communities (EDN3001)	Not available 2011	2
Learning through the Arts (EDN260)	Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places) Rockingham: S1-internal	4
Learning, Teaching and Assessment 1 (EDN221)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Learning, Teaching and Assessment 2 (EDN222)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Literacies and Numeracy for Inclusive Education (EDN423)	Not available 2011	4
Literacies and Numeracy in Early Years (EDN421)	Not available 2011	4
Living and Learning with Technology (EDN113)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Mathematics and the Curriculum (Secondary) (EDN314)	Murdoch: S1-internal, S1-external	2
Mathematics and the Curriculum (Secondary) (EDN414)	Murdoch: UW2-internal, UW2-external	4
Mathematics for Teaching (EDN110)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Media and the Curriculum (EDN315)	Murdoch: S1-internal, S1-external	2
Media and the Curriculum (EDN415)	Murdoch: UW2-internal, UW2-external	4
Physical Education (EDN116)	Murdoch: S2-internal Rockingham: S1-internal	3
Planning for Effective Learning in Primary Schools (EDN443)	Not available 2011	2
Principles and Practices in Early Childhood Education (EDN320)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Principles and Practices in Early Childhood Education (EDN3201)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	6
Professional Experience: BEd Primary (EDN2100)	Murdoch: SP10-external Rockingham: SP10-external	2
Professional Experience: BEd Secondary (EDN2101)	Murdoch: SP9-external	2
Professional Experience: BEd Secondary (EDN3101)	Not available 2011	2
Professional Experience: BEd Secondary (EDN4101)	Not available 2011	2
Professional Experience: GradCertEdSt (EDN2191)	Murdoch: AU13-external, SP26-external	4
Professional Experience: Primary Graduate (EDN2151)	Murdoch: AU4-external	2
Professional Experience: Secondary Graduate (EDN2161)	Murdoch: AU4-external	2
Professional Internship: BEd Primary (EDN4300)	Not available 2011	6
Professional Internship: BEd Secondary (EDN4301)	Not available 2011	4
Professional Internship: Graduate (EDN4102)	Not available 2011	4
Professional Issues for Teachers (EDN444)	Not available 2011	2
Science and the Curriculum (Secondary) (EDN317)	Murdoch: S1-internal, S1-external	2
Science and the Curriculum (Secondary) (EDN417)	Murdoch: UW2-internal, UW2-external	4
Science Communication (EDN398)	Murdoch: S1-internal, S1-external	4
Second/Foreign Languages and the Curriculum (EDN316)	Murdoch: S1-internal, S1-external	2
Second/Foreign Languages and the Curriculum (EDN3162)	Murdoch: S1-internal, S1-external	3
Second/Foreign Languages and the Curriculum (EDN416)	Not available 2011	4
Second/Foreign Languages and the Curriculum (EDN516)	Murdoch: UW2-internal, UW2-external	4
Society and Environment Curriculum (Secondary) (EDN318)	Murdoch: S1-internal, S1-external	2
Society and Environment Curriculum (Secondary) (EDN418)	Murdoch: UW2-internal, UW2-external	4
Special Topics in Education (EDN211)	Topic not currently offered	4
Special Topics in Education: Gifted Students with Diverse Learning Needs (EDN411)	Topic not currently offered	4

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Sport Education (EDN319)	Murdoch: S2-internal Rockingham: S1-internal	4
Students and Schools in Context 1 (EDN331)	Not available 2011	3
Students and Schools in Context 1 (EDN3311)	Not available 2011	2
Students and Schools in Context 2 (EDN332)	Not available 2011	3
Students and Schools in Context 2 (EDN3321)	Not available 2011	2
Teaching Arts and HPE in Primary Schools (EDN227)	Murdoch: SP21-internal, SP21-external	2
Teaching English and Literacy in Primary Schools (EDN223)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Teaching English and Literacy in Primary Schools (EDN2231)	Murdoch: S1-internal, S1-external	3
Teaching Health and Physical Education in Primary Schools (EDN226)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Teaching Health and Physical Education in Primary Schools (EDN2261)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Teaching Mathematics in Primary Schools (EDN333)	Not available 2011	4
Teaching Mathematics in Primary Schools (EDN3331)	Not available 2011	3
Teaching Science in Primary Schools (EDN442)	Not available 2011	4
Teaching Science in Primary Schools (EDN4421)	Not available 2011	3
Teaching Society and the Environment in Primary Schools (EDN441)	Not available 2011	4
Teaching The Arts in Primary Schools (EDN225)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	4
Teaching The Arts in Primary Schools (EDN2251)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Thinking Mathematically (EDN114)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Thinking Mathematically (EDN214)	Murdoch: S2-internal, S2-external	4
Thinking Scientifically (EDN115)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Understanding Teachers' Work (EDN112)	Murdoch: S2-internal Rockingham: S2-internal	3
Understanding Teachers' Work (EDN1121)	Murdoch: SB7-internal	3

## Education 'EDU'

## Points

Aboriginal Perspectives Across the Curriculum (EDU663)	Murdoch: S1-internal	4
Adult Learning in Education and Work (EDU445)	Murdoch: S2-external	4
Adult Learning in Education and Work (EDU645)	Murdoch: S2-external	4
Advanced Educational Research Seminar (EDU701)	Murdoch: Y-internal	8
Australian Indigenous Education (EDU425)	Murdoch: S1-external, SB6-internal	4
Australian Indigenous Education (EDU625)	Murdoch: S1-external, SB6-internal	4
Collaborative Learning, Creativity and Motivation (EDU447)	Murdoch: S1-external	4
Collaborative Learning, Creativity and Motivation (EDU647)	Murdoch: S1-external	4
Connecting to Students' Lives (EDU461)	Murdoch: S1-external	4
Connecting to Students' Lives (EDU661)	Murdoch: S1-external	4
Contemporary Issues in Gifted and Talented Education (EDU626)	Murdoch: AU5-internal	4
Critical Pedagogy: Gender, Race and Social Class in Education (EDU424)	Murdoch: SUM-internal	4
Critical Pedagogy: Gender, Race and Social Class in Education (EDU624)	Murdoch: SUM-internal	4
Critical Perspectives in Early Childhood Education (EDU412)	Murdoch: S2-external	4
Critical Perspectives in Early Childhood Education (EDU612)	Murdoch: S2-external	4
Cultural Diversity in Learning and Working (EDU446)	Murdoch: S1-internal, S1-external	4
Cultural Diversity in Learning and Working (EDU646)	Murdoch: S1-internal, S1-external	4
Curriculum Development for Practitioners (EDU488)	Murdoch: S1-internal, S1-external, Y-external	4
Curriculum Development for Practitioners (EDU688)	Murdoch: S1-internal, S1-external, Y-external DUBAI-ISC: TD2-internal KAPLAN-SGP: T1A-internal	4

Curriculum Leadership, Inquiry and Stimulating Conversations (EDU420)	Murdoch: S2-external	4
Curriculum Leadership, Inquiry and Stimulating Conversations (EDU620)	Murdoch: S2-external	4
Development and Education (EDU427)	Murdoch: S1-external	4
Development and Education (EDU627)	Murdoch: S1-external	4
Education Policy and Teachers' Work (EDU458)	Murdoch: S2-external	4
Education Policy and Teachers' Work (EDU658)	Murdoch: S2-external	4
Education Project (EDU600)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T3A-internal	4
Education Provision for Gifted and Talented Students (EDU629)	Murdoch: SP23-internal	4
Educational Planning and Management (EDU455)	Murdoch: S1-external	4
Educational Planning and Management (EDU655)	Murdoch: S1-external	4
Environmental Education for Sustainability (EDU450)	Murdoch: S2-internal, S2-external	4
Environmental Education for Sustainability (EDU650)	Murdoch: S2-internal, S2-external	4
Facilitating Lifelong Learning (EDU240)	Murdoch: S1-internal, S1-external, S2-external	6
Facilitating Lifelong Learning (EDU2401)	Murdoch: S1-internal, S1-external, S2-external	4
Facilitating Lifelong Learning (EDU440)	Murdoch: S1-internal, S1-external, S2-external	4
Inclusive Education: Contemporary Perspectives and Practices (EDU409)	Murdoch: S2-external	4
Inclusive Education: Contemporary Perspectives and Practices (EDU609)	Murdoch: S2-external	4
International Education: Issues and Practices in Schools (EDU613)	Murdoch: SB6-internal, W3-internal DUBAI-ISC: TD3-internal KAPLAN-SGP: T2A-internal	4
Introduction to Research for Educators (EDU403)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Introduction to Research for Educators (EDU603)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: TD3-internal KAPLAN-SGP: T1A-internal	4
Issues in Language Education (EDU404)	Murdoch: S1-external, S2-external	4
Issues in Language Education (EDU604)	Murdoch: S1-external, S2-external	4
Learning and Teaching with ICT (EDU417)	Murdoch: S2-external	4
Learning and Teaching with ICT (EDU617)	Murdoch: S2-external DUBAI-ISC: TD1-internal KAPLAN-SGP: T2A-internal	4
Mentoring (EDU471)	Murdoch: S2-external	4
Mentoring (EDU671)	Murdoch: S2-external DUBAI-ISC: TD1-internal	4
Opportunities with e-learning (EDU475)	Murdoch: W2-internal	4
Opportunities with e-learning (EDU675)	Murdoch: W2-internal	4
Primary Curriculum I (English) (EDU2821)	Murdoch: UW2-internal, UW2-external	3
Primary Curriculum III (Mathematics) (EDU285)	Murdoch: UW2-internal, UW2-external Rockingham: UW2-internal	4
Primary Curriculum III (Mathematics) (EDU2851)	Murdoch: UW2-internal, UW2-external	3
Primary Curriculum IV (Society and Environment, Science) (EDU286)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	4
Primary Curriculum IV (Society and Environment, Science) (EDU2861)	Murdoch: S1-internal, S1-external	3
Professional and Action Learning Project (EDU470)	Murdoch: S1-external, S2-external	4
Professional and Action Learning Project (EDU4701)	Murdoch: Y-external	4
Professional and Action Learning Project (EDU670)	Murdoch: S1-external, S2-external	4
Professional Development Portfolio (EDU418)	Murdoch: S1-external, S2-external, W3-internal	4
Professional Development Portfolio (EDU618)	Murdoch: S1-external, S2-external, W3-internal	4
Professional Internship Prelim: Prim BEd/Inclusive Ed (EDU383)	Murdoch: AU10-external, W5-external Rockingham: AU10-external, W5-external	2

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Professional Internship Prelim: Primary BEd/ECE (EDU379)	Murdoch: AU10-external, W5-external Rockingham: AU10-external, W5-external	2
Professional Internship Prelim: Primary GradDipEd (EDU291)	Murdoch: AU10-external, W5-external	2
Professional Internship Prelim: Secondary BEd (EDU387)	Murdoch: AU10-external, W5-external	2
Professional Internship Prelim: Secondary GradDipEd (EDU293)	Murdoch: AU10-external, W5-external	2
Professional Internship Preliminary: Primary BEd (EDU377)	Murdoch: AU10-external, W5-external Rockingham: AU10-external, W5-external	2
Professional Internship: Primary BEd (EDU378)	Murdoch: AW1-external, SP2-internal, SP2-external Rockingham: AW1-external, SP2-internal, SP2-external	6
Professional Internship: Primary BEd/ECE (EDU381)	Murdoch: AW1-external, SP2-internal, SP2-external Rockingham: AW1-external, SP2-internal, SP2-external	6
Professional Internship: Primary BEd/Inclusive Ed (EDU384)	Murdoch: AW1-external, SP2-internal, SP2-external Rockingham: AW1-external, SP2-internal, SP2-external	6
Professional Internship: Primary GradDipEd (EDU292)	Murdoch: AW1-external, SP2-internal, SP2-external	4
Professional Internship: Secondary BEd (EDU389)	Murdoch: AW1-external, SP2-internal, SP2-external	6
Professional Internship: Secondary GradDipEd (EDU297)	Murdoch: AW1-external, SP2-internal, SP2-external	4
Program Evaluation (EDU437)	Murdoch: S1-external	4
Program Evaluation (EDU637)	Murdoch: S1-external	4
Qualitative Approaches to Research (EDU643)	Murdoch: S2-internal, S2-external	4
Qualitative Approaches to Research (EDU743)	Murdoch: S2-internal, S2-external	4
Quantitative Approaches to Research (EDU639)	Murdoch: S2-external	4
Quantitative Approaches to Research (EDU739)	Murdoch: S2-external	4
Reading through Multiliteracies (EDU464)	Murdoch: S2-external	4
Reading through Multiliteracies (EDU664)	Murdoch: S2-external	4
School Experience: Primary BEd (EDU3153)	Murdoch: AW2-internal Rockingham: AW2-external	3
School Experience: Primary BEd (EDU3154)	Murdoch: AU9-external Rockingham: AU9-external	2
School Experience: Secondary BEd (EDU3161)	Murdoch: AU9-external	2
School Experience: Secondary BEd (EDU3162)	Murdoch: AU9-external	2
Schools in Context (EDU231)	Murdoch: S1-internal, S1-external, S2-external Rockingham: S1-internal	4
Schools in Context (EDU2311)	Murdoch: S1-internal, S1-external, S2-external	3
Science and the Curriculum (Secondary) (EDU2742)	Murdoch: S1-external	3
Science Communication (EDU698)	Murdoch: S1-internal, S1-external	4
Special Topics in Education (EDU511)	Topic not currently offered	4
Special Topics in Education: Gifted Students with Diverse Learning Needs (EDU611)	Topic not currently offered	4
Tertiary and Adult Education Policy (EDU444)	Murdoch: S2-internal, S2-external	6
Tertiary and Adult Education Policy (EDU4441)	Murdoch: S2-internal, S2-external	4
Tertiary and Adult Education Policy (EDU644)	Murdoch: S2-internal, S2-external	4

## Engineering

## Points

Advanced Control Design (ENG512)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced Control Systems (ENG616)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced Control Systems Design (ENG525)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced Electronic Control of Power Systems (ENG558)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced Process Engineering (ENG303)	Murdoch: S1-internal	4
Advanced Process Engineering (ENG503)	Murdoch: S1-internal	4
Advanced Process Modelling and Simulation (ENG563)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced SCADA Systems (ENG617)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Advanced Topics in Instrumentation and Control (ENG502)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Biomedical Instrumentation (ENG371)	Murdoch: S1-internal	4
Biomedical Signal Processing (ENG372)	Murdoch: S1-internal	4
Biomedical Systems Engineering (ENG373)	Murdoch: S1-internal, S2-internal	4
Circuits and Systems I (ENG125)	Murdoch: S2-internal	3
Circuits and Systems II (ENG243)	Murdoch: S1-internal	4

Computing for Scientists and Engineers (ENG109)	Murdoch: S2-internal	3
Control Systems and Process Dynamics (ENG267)	Murdoch: S2-internal, W-internal	4
CSI: Control System Investigation (ENG668)	Murdoch: S1-internal, S2-internal	4
Design Concepts in Science and Engineering (ENG141)	Murdoch: S1-internal	3
Design Methodologies in Instrumentation and Control (ENG508)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Electromechanical Energy Conversion (ENG347)	Murdoch: S1-internal	4
Electromechanical Energy Conversion (ENG547)	Murdoch: S1-internal	4
Energy Supply Systems (ENG352)	Murdoch: S2-internal, Y-external	4
Engineering Design (ENG428)	Murdoch: S1-internal, S2-internal	4
Engineering Internship (ENG450)	Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal	12
Engineering Law, Management and Ethics (ENG453)	Murdoch: S1-internal	4
Engineering Signals and Systems (ENG429)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Engineering Technology Project (ENG310)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	4
Engineering Thesis (ENG460)	Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal	12
Industrial Computer Systems Design (ENG454)	Murdoch: S1-internal	4
Industrial Computer Systems Design (ENG654)	Murdoch: S1-internal	4
Industrial Instrumentation Technologies (ENG564)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Industrial Signals and Systems (ENG514)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Instrumentation and Control Engineering Masters Project (ENG615)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	12
Instrumentation and Control Systems Design (ENG420)	Murdoch: S1-internal	4
Instrumentation and Control Systems Design (ENG620)	Murdoch: S1-internal	4
Masters Engineering Project (ENG550)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	12
Measurement Systems and Sensors (ENG681)	Murdoch: S1-internal, S2-internal	4
Modelling and Simulation of Industrial Processes (ENG618)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Operation and Control of Power Systems (ENG455)	Murdoch: S1-internal	4
Operation and Control of Power Systems (ENG655)	Murdoch: S1-internal	4
PLC and SCADA Systems (ENG443)	Murdoch: S1-internal, S2-internal, SUM-internal	4
PLC Applications (ENG501)	Murdoch: S1-internal, S2-internal, SUM-internal	4
PLC Systems (ENG305)	Murdoch: S1-internal	4
PLC Systems (ENG505)	Murdoch: S1-internal	4
Power Electronic Converters and Systems (ENG349)	Murdoch: S1-internal	4
Power Electronic Converters and Systems (ENG549)	Murdoch: Y-internal	4
Power System Economics and Electricity Markets (ENG561)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Power System Monitoring, Diagnostics and Maintenance (ENG557)	Murdoch: S1-internal, S2-internal, SUM-internal	4
Power Systems Protection (ENG682)	Murdoch: S1-internal, S2-internal	4
Power Transmission and Distribution Networks (ENG348)	Murdoch: S2-internal	4
Power Transmission and Distribution Networks (ENG548)	Murdoch: S2-internal	4
Principles of Electronic Instrumentation (ENG262)	Murdoch: S2-internal, SUM-internal	4
Principles of Process Engineering (ENG241)	Murdoch: S1-internal	4
Process Control Engineering I (ENG304)	Murdoch: S1-internal	4
Process Control Engineering I (ENG504)	Murdoch: S1-internal	4
Process Control Engineering II (ENG346)	Murdoch: S2-internal	4
Process Control Engineering II (ENG546)	Murdoch: S2-internal	4
Project Execution and Documentation (ENG660)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	8
Project Research and Preparation (ENG560)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	4
Reactor Engineering (ENG361)	Not available 2011	4
Real Time and Embedded Systems (ENG306)	Murdoch: S2-internal	4
Real Time and Embedded Systems (ENG506)	Murdoch: S2-internal	4
Renewable Energy Design Workshop (ENG351)	Murdoch: S2-internal	4
Renewable Energy Systems Engineering (ENG421)	Murdoch: S1-internal	4
Resources for Renewable Energy (ENG307)	Murdoch: S1-internal	4

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SCADA and Instrument Systems (ENG345)	Murdoch: S2-internal	4
SCADA and Instrument Systems (ENG545)	Murdoch: S2-internal	4
Smart Grid Technologies (ENG686)	Murdoch: S1-internal, S2-internal	4
SMART: Systematic Modelling and Reconciliation Techniques (ENG674)	Murdoch: S1-internal, S2-internal	4
Special Studies Topic in Engineering (ENG396)	Murdoch: S1-internal, S2-internal, SUM-internal	6
Special Topics in SCADA Systems (ENG679)	Murdoch: S1-internal, S2-internal	4
Transmission and Distribution System Design and Planning (ENG556)	Murdoch: S1-internal, S2-internal, SUM-internal	4

## English

## Points

Acting and Production I (EGL226)	Murdoch: S1-internal	4
Acting and Production I (EGL526)	Murdoch: S1-internal	4
Acting and Production II (EGL329)	Murdoch: S2-internal	4
Acting and Production II (EGL529)	Murdoch: S2-internal	4
Australian Literature and Film (EGL284)	Not available 2011	4
Australian Literature and Film (EGL2841)	Murdoch: SP3-internal	3
Australian Literature and Film (EGL484)	Not available 2011	4
Children's Theatre (EGL213)	Murdoch: S1-internal	4
Contemporary Creative Writing: Image and Scene (EGL269)	Murdoch: S1-internal, S1-external	4
Contemporary Theatre Practice (EGL202)	Murdoch: S1-internal	4
Creative Writing: Text and Practice I (EGL122)	Murdoch: S1-internal, S1-external	3
Design (EGL215)	Murdoch: S2-internal	4
Editing Practice (EGL201)	Not available 2011	4
English Language Studies (EGL151)	Murdoch: S1-internal, S2-internal	3
Introduction to Creative Arts (EGL114)	Murdoch: S1-internal, S1-external	3
Introduction to Drama (EGL106)	Murdoch: S2-internal	3
Introduction to Literature (EGL121)	Murdoch: S1-internal, S1-external	3
Literary Journalism (EGL234)	Murdoch: S1-internal	4
Literary Journalism (EGL534)	Murdoch: S1-internal	4
Literary Theory (EGL354)	Murdoch: S1-internal	4
Literary Theory (EGL554)	Murdoch: S1-internal	4
Literature in an Age of Terror (EGL224)	Murdoch: S1-internal, S1-external	4
Narrative: Fiction and Film (EGL237)	Murdoch: S1-internal, S1-external	4
Performance and Creative Arts (EGL225)	Murdoch: S2-internal	4
Performance and Creative Arts (EGL525)	Murdoch: S2-internal	4
Popular Literature and Science Fiction (EGL290)	Murdoch: S2-internal, S2-external	4
Project in Creative Writing (EGL260)	Murdoch: S1-internal	4
Representation and Gender (EGL298)	Murdoch: S2-internal, S2-external	4
Shakespeare (EGL308)	Murdoch: S2-internal, S2-external	4
Special Topics in English (EGL291)	Topic not currently offered	4
Special Topics in Language (EGL227)	Topic not currently offered	4
Understanding Poetry (EGL328)	Murdoch: S1-internal, S1-external	4
World Writing Today (EGL223)	Murdoch: S2-internal, S2-external	4
Writing for Professional Purposes (EGL150)	Murdoch: S1-internal	3
Writing for the Stage (EGL210)	Murdoch: S2-internal, S2-external	4

## Environmental Science

## Points

Atmospheric Science (ENV213)	Murdoch: S1-internal, S1-external	4
Atmospheric Science (ENV513)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Australian Coastal Environments (ENV208)	Murdoch: S2-internal	4
Australian Environmental Issues (ENV104)	Murdoch: S2-internal, S2-external	3
Coastal and Marine Management (ENV381)	Murdoch: S2-internal (quota of 60 places)	4
Earth System Science (ENV314)	Murdoch: S2-internal, S2-external	4

Earth System Science (ENV614)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T3A-internal	4
Ecology (ENV268)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal SGP1: T3B-internal	4
Environmental Assessment and Management (ENV522)	Murdoch: S1-internal, S1-external	4
Environmental Management (ENV319)	Murdoch: S2-internal, S2-external	4
Environmental Management (ENV619)	Murdoch: S2-internal, S2-external	4
Environmental Monitoring (ENV505)	Murdoch: S2-internal, S2-external	4
Environmental Policy and Law (ENV228)	Murdoch: S2-internal, S2-external	4
Environmental Policy and Law (ENV528)	Murdoch: S2-internal, S2-external	4
Environmental Policy for the 21st Century (ENV316)	Murdoch: S1-internal, S1-external	4
Environmental Policy for the 21st Century (ENV616)	Murdoch: S1-internal, S1-external	4
Environmental Restoration (ENV324)	Murdoch: S1-internal, S1-external	4
Environmental Restoration (ENV624)	Murdoch: S1-internal, S1-external	4
Environmental Science Masters Project (ENV600)	Murdoch: H-internal, H-external, Y-internal, Y-external	8
Environmental Science Research Methods (ENV523)	Murdoch: S1-internal, S1-external	4
Environmental Technology for Sustainable Development (ENV210)	Murdoch: S2-internal, S2-external	4
Environmental Technology for Sustainable Development (ENV560)	Murdoch: S2-internal, S2-external	4
GIS for Environmental Management and Planning (ENV203)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal SGP1: T3B-internal	4
GIS for Environmental Management and Planning (ENV503)	Murdoch: S2-internal, S2-external	4
Global and Regional Sustainability (ENV212)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal SGP1: T2B-internal	4
Global and Regional Sustainability (ENV512)	Murdoch: S2-internal, S2-external	4
Health and the Environment (ENV351)	Murdoch: S1-internal, S1-external	4
Health and the Environment (ENV651)	Murdoch: S1-internal, S1-external	4
Introduction to Environmental Science (ENV102)	Murdoch: S1-internal, S1-external, S2-internal DUBAI-ISC: N1-internal, N2-internal	3
Land Management (ENV310)	Murdoch: S1-internal, S1-external	4
Land Management (ENV610)	Murdoch: S1-internal, S1-external	4
Managing Wetlands and Water (ENV311)	Murdoch: S2-internal, S2-external	4
Managing Wetlands and Water (ENV611)	Murdoch: S2-internal, S2-external	4
Nature-Based Tourism (ENV279)	Murdoch: S1-internal, S1-external	4
Occupational Health and Safety (ENV350)	Murdoch: S2-external	4
Occupational Health and Safety (ENV650)	Murdoch: S2-external	4
Oceanography and Marine Pollution (ENV282)	Murdoch: S2-internal (quota of 60 places)	4
Pollutants and Toxicology (ENV222)	Murdoch: S1-internal, S1-external SGP1: T1B-internal	4
Pollutants and Toxicology (ENV555)	Murdoch: S1-internal, S1-external	4
Pollution and its Control (ENV211)	Murdoch: S1-internal, S1-external	4
Principles of Environmental Impact Assessment (ENV520)	Murdoch: S1-internal, S1-external	4
Principles of Environmental Policy and Law (ENV215)	SGP1: T2B-internal	4
Special Topics in Environmental Science (ENV330)	Topic not currently offered	4
Special Topics in Environmental Science (ENV630)	Topic not currently offered	4
Sustainable Water Systems (ENV318)	Murdoch: S2-internal, S2-external	4
Sustainable Water Systems (ENV618)	Murdoch: S2-internal, S2-external	4
Water and Earth Science (ENV281)	Murdoch: S1-internal, S1-external	4
Water Conservation and Auditing (ENV206)	Murdoch: S1-internal, S1-external SGP1: T1B-internal	4

### Extractive Metallurgy

### Points

Advanced Mineral Processing (EXM302)	Murdoch: S2-internal, S2-external	4
Advanced Mineral Processing (EXM505)	Murdoch: S2-internal, S2-external	3
Extractive Metallurgy (EXM357)	Murdoch: S2-internal, S2-external	4

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Extractive Metallurgy (EXM557)	Murdoch: S2-internal, S2-external	3
Extractive Metallurgy Practicum (EXM506)	Murdoch: S2-internal, S2-external	3
Financial Management, Mineral Resources and Environment (EXM459)	Murdoch: S1-internal	6
Introduction to Earth Sciences (EXM130)	Murdoch: S1-internal, S1-external	3
Introduction to Extractive Metallurgy (EXM131)	Murdoch: S2-internal, S2-external	3
Metallurgical Process and Plant Design (EXM435)	Murdoch: S2-internal	6
Mineral Processing (EXM301)	Murdoch: S1-internal, S1-external	4
Mineral Processing (EXM504)	Murdoch: S1-internal, S1-external	3
Mineral Science Practicum (EXM507)	Murdoch: S1-internal, S1-external	3
Principles of Unit Operations (EXM224)	Murdoch: S1-internal, S1-external	4
Principles of Unit Operations (EXM524)	Murdoch: S1-internal, S1-external	3
Process Mineralogy (EXM256)	Murdoch: S2-internal, S2-external	4
Process Mineralogy (EXM556)	Murdoch: S2-internal, S2-external	3
Research Project and Thesis (EXM436)	Murdoch: H-internal, H-external, Y-internal	12
Special Topics in Extractive Metallurgy: Mineral Resources and the Environment (EXM346)	Murdoch: S1-internal	4
Special Topics in Extractive Metallurgy: Process Economics (EXM226)	Murdoch: S1-internal	4

## Foundation

## Points

Age of Information (FDN130)	Not available 2011	3
Australia in Asia (FDN110)	Murdoch: S1-internal, S1-external, S2-internal, S2-external Rockingham: S2-internal	3
Creativity and Innovation (FDN101)	Murdoch: S1-internal, S1-external, S2-internal, S2-external Peel: S2-internal	3
Food for Thought (FDN102)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3
Knowing Nature (FDN103)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Next Life (FDN107)	Murdoch: S1-internal, S1-external DUBAI-ISC: N1-internal, N2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal KDUPJ: S1K-internal	3
Tomorrow, Yesterday, Today (FDN109)	Murdoch: S2-internal, S2-external	3
Wellbeing (FDN111)	Murdoch: S1-internal, S1-external Peel: S1-internal	3

## History

## Points

After Power: The Fall of Regimes and Rulers (HIS203)	Murdoch: S2-internal, S2-external	4
American Indian History (HIS223)	Murdoch: S1-internal, S1-external	4
Approaches to History (HIS285)	Murdoch: S1-internal, S1-external	4
Approaches to History (HIS685)	Murdoch: S1-internal, S1-external	4
Australia and its Asian Context (HIS202)	Murdoch: S2-internal, S2-external	4
Britannia to the Beatles: Power, Sex and Identity in Modern Britain (HIS220)	Not available 2011	4
Contested Country: Twentieth Century Australian History (HIS275)	Not available 2011	4
Crime and Punishment Since 1700 (HIS260)	Not available 2011	4
Earth, Fire, Wind and Water: Australian Environmental History (HIS283)	Murdoch: S1-internal, S1-external	4
Europe Under the Dictators (HIS293)	Not available 2011	4
European Union (HIS225)	Murdoch: S1-internal, S1-external	4
European Union (HIS625)	Murdoch: S1-internal, S1-external	4
Historical Mysteries of the Modern World (HIS234)	Murdoch: S2-internal, S2-external	4
Hollywood and History (HIS249)	Murdoch: S2-internal, S2-external	4
Introduction to History (HIS181)	Murdoch: S1-internal, S1-external Rockingham: S1-internal	3

Students should ensure they are familiar with the University's internal legislation, including provisions specifically relevant to their studies. See the University Regulation overview in this Handbook and view legislation online at <http://www.murdoch.edu.au/goto/legislation/>

Modern Japanese History (HIS210)	Murdoch: S1-internal, S1-external	4
Modern Japanese History (HIS610)	Murdoch: S1-internal, S1-external	4
Rebirth of Europe 1945-2001 (HIS224)	Murdoch: S1-internal, S1-external	4
Soldiers and Civilians: War in the Pacific 1941-1945 (HIS226)	Not available 2011	4
Soldiers and Civilians: War in the Pacific 1941-1945 (HIS626)	Not available 2011	4
Special Topics in History (HIS287)	Topic not currently offered	4
Special Topics in History (HIS2871)	Topic not currently offered	4
Spies, Saboteurs and Secret Agents (HIS230)	Not available 2011	4
Turning Points in History (HIS182)	Murdoch: S2-internal, S2-external Rockingham: S2-internal	3
Witchcraft: Historical Images of Women (HIS286)	Not available 2011	4

## Indonesian

## Points

Indonesian 1A (IND161)	Murdoch: S1-internal, S1-external	3
Indonesian 1B (IND162)	Murdoch: S2-internal, S2-external	3
Indonesian 2A (IND261)	Murdoch: S1-internal, S1-external	4
Indonesian 2B (IND262)	Murdoch: S2-internal, S2-external	4
Indonesian 3A (IND361)	Murdoch: S1-internal, S1-external	4
Indonesian 3B (IND362)	Murdoch: S2-internal, S2-external	4
Indonesian Language Project (IND452)	Not available 2011	4
Indonesian Language Project (IND652)	Not available 2011	4
Media, Culture and Politics in Indonesia (IND271)	Murdoch: S2-internal, S2-external	4
Media, Culture and Politics in Indonesia (IND671)	Murdoch: S2-internal, S2-external	4
Semester in Indonesia (IND243)	Murdoch: S1-internal, S2-internal	12
Semester in Indonesia (IND343)	Murdoch: S1-internal, S2-internal	12
Semester in Indonesia (IND643)	Murdoch: S1-internal, S2-internal	12

## Information Technology

## Points

Advanced Business Analysis and Design (ICT353)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T1A-internal, T3A-internal	4
Advanced Business Analysis and Design (ICT532)	Murdoch: S2-internal, S2-external	4
Advanced Business Data Communications (ICT535)	Murdoch: S2-internal	4
Advanced Games Design and Programming (ICT311)	Murdoch: S1-internal, S1-external	4
Advanced Information Technology Research Project (ICT708)	Murdoch: S1-internal, S2-internal	12
Advanced IT Study Project (ICT617)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Advanced Network Design (ICT347)	Murdoch: S2-internal	4
Advanced Network Design (ICT647)	Murdoch: S2-internal	4
Business Intelligence Tools and Techniques (ICT208)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Computer Graphics Principles and Programming (ICT215)	Murdoch: S1-internal, S1-external	4
Computer Science Research Topic (ICT700)	Murdoch: S1-internal, S2-internal	4
Computer Security (ICT339)	Murdoch: S2-internal, S2-external	4
Computer Security (ICT539)	Murdoch: S2-internal, S2-external	4
Computer Systems and Network Management (ICT338)	Murdoch: S1-internal, S1-external	4
Computer Systems and Network Management (ICT638)	Murdoch: S1-internal, S1-external	4
Cyber Forensics (ICT248)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T2A-internal	4
Data Resources Management (ICT616)	Murdoch: S2-internal	4
Data Structures and Abstractions (ICT209)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Databases (ICT218)	Murdoch: S1-internal, S1-external, S2-internal, S2-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Doctor of Information Technology Thesis (ICT702)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	12
Forensic Data Analysis (ICT349)	Murdoch: S1-internal, S1-external	4
Fundamentals of Computer Systems (ICT106)	Murdoch: S2-internal, S2-external	3
Games Design and Programming (ICT207)	Murdoch: S2-internal, S2-external	4

Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.



Games Development (ICT309)	Murdoch: S1-internal, S1-external	4
Games Software Design (ICT241)	Murdoch: S1-internal, S1-external	4
Games Software Production (ICT245)	Murdoch: S2-internal, S2-external	4
Games Technology Project (ICT313)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Human Factors in Information Technology (ICT612)	Murdoch: S1-internal	4
Human-Computer Interaction (ICT325)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T2A-internal	4
Information Security Management (ICT357)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T3A-internal	4
Information Security Management (ICT557)	Murdoch: S2-internal, S2-external	4
Information Systems Research Topic (ICT704)	Murdoch: S1-internal, S2-internal	4
Information Technology Project (ICT333)	Murdoch: S1-internal, S1-external, S2-internal, S2-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Information Technology Project Management (ICT618)	Murdoch: S1-internal	4
Information Technology Research Dissertation (ICT678)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Information Technology Research Methodologies (ICT477)	Murdoch: S1-internal	4
Information Technology Research Methodologies (ICT650)	Murdoch: S1-internal	4
Information Technology Strategy (ICT622)	Murdoch: S2-internal	4
Intelligent Systems (ICT219)	Murdoch: S2-internal, S2-external	4
Intelligent Systems Applications (ICT619)	Murdoch: S2-internal	4
Internet Systems Programming (ICT336)	Murdoch: S1-internal, S1-external	4
Introduction to 3D Graphics and Animation (ICT101)	Murdoch: S2-internal, S2-external	3
Introduction to Computer Science (ICT102)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Introduction to Data Communications (ICT103)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Introduction to Information Technology (ICT105)	Murdoch: S1-internal, S1-external, S2-external Peel: S2-internal Rockingham: S1-internal	3
Introduction to Multimedia and the Internet (ICT108)	Murdoch: S1-internal, S1-external, S2-internal, S2-external Rockingham: S2-internal	3
IP Telephony (ICT344)	Murdoch: S2-internal	4
IP Telephony (ICT644)	Murdoch: S2-internal	4
IT Professional Practice (ICT521)	Murdoch: S1-internal	4
Knowledge and Information Security (ICT265)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T2A-internal	4
Knowledge and Information Security (ICT565)	Murdoch: S2-internal, S2-external	4
Knowledge Management Techniques (ICT256)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T1A-internal	4
Knowledge Management Techniques (ICT556)	Murdoch: S1-internal, S1-external	4
Local Area Network Design and Implementation (ICT546)	Murdoch: S1-internal	4
Network Security (ICT362)	Murdoch: S1-internal	4
Network Security (ICT672)	Murdoch: S1-internal	4
Network Switching (ICT363)	Murdoch: S1-internal	4
Network Switching (ICT663)	Murdoch: S1-internal	4
Operating Systems and Systems Programming (ICT310)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T1A-internal	4
Principles of Computer Science (ICT104)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Principles of Data Communications (ICT120)	Murdoch: S2-internal	3
Principles of Information Systems (ICT107)	Murdoch: S2-internal, S2-external	3
Software Architectures (ICT306)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T3A-internal	4
Software Development Frameworks (ICT239)	Murdoch: S1-internal, S1-external	4
Software Engineering (ICT381)	Not available 2011	4
Special Topics in Information Technology (ICT228)	Topic not currently offered	4
Special Topics in Information Technology (ICT330)	Topic not currently offered	4
Special Topics in Information Technology (ICT560)	Topic not currently offered	4
Special Topics in Information Technology (ICT660)	Topic not currently offered	4

Systems Analysis and Design (ICT231)	Murdoch: S1-internal, S1-external, S2-external KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Virtual Environments for Games and Simulations (ICT312)	Murdoch: S2-internal, S2-external	4
Web Computing (ICT211)	Murdoch: S2-internal, S2-external	4
Wireless Networks (ICT264)	Murdoch: S2-internal	4
Wireless Networks (ICT564)	Murdoch: S2-internal	4

### Japanese Points

Japan in the World: Nation, Culture, Image (JPN208)	Not available 2011	4
Japan in the World: Nation, Culture, Image (JPN608)	Not available 2011	4
Japanese IA (JPN171)	Murdoch: S1-internal	3
Japanese IB (JPN172)	Murdoch: S2-internal	6
Japanese IIA (JPN204)	Murdoch: S1-internal	4
Japanese IIB (JPN205)	Murdoch: S2-internal	4
Japanese IIIA (JPN363)	Murdoch: S1-internal	4
Japanese IIIB (JPN364)	Murdoch: S2-internal	4
Japanese Language Project (JPN452)	Not available 2011	4
Japanese Language Project (JPN652)	Not available 2011	4
Postwar Japan (JPN214)	Not available 2011	4
Postwar Japan (JPN614)	Not available 2011	4
Semester in Japan (JPN243)	Murdoch: S1-internal, S2-internal	12
Semester in Japan (JPN343)	Murdoch: S1-internal, S2-internal	12
Semester in Japan (JPN643)	Murdoch: S1-internal, S2-internal	12

## 7

### Kulbardi Aboriginal Centre Points

Foundations of Aboriginal Cultures (KAC067)	Murdoch: S2-internal	3
Foundations of Academic Writing (KAC075)	Murdoch: S1-internal, S2-internal	3
Foundations of Formal Writing (KAC061)	Murdoch: S1-internal, S2-internal	3
Foundations of Information Technology (KAC062)	Murdoch: S1-internal, S2-internal	3
Foundations of the Media (KAC064)	Murdoch: S1-internal, S2-internal	3
Introduction to Legal Studies A (KAC065)	Not available 2011	3
Introduction to Legal Studies B (KAC066)	Not available 2011	3
Introduction to the Practice of Teaching (KAC070)	Not available 2011	3
Orientation Science A (KAC068)	Murdoch: S1-internal	3
Orientation Science B (KAC069)	Murdoch: S1-internal, S2-internal	3
Science Functions and Modelling (KAC063)	Not available 2011	3
Study of Society and Politics (KAC071)	Murdoch: S1-internal, S2-internal	3
University Studies (KAC073)	Murdoch: S1-internal, S2-internal	3

### Law Masters Points

Chinese Contract and Commercial Law (LLM522)	CITYUHK: S1D-internal	4
Chinese Intellectual Property Laws in the Global Context (LLM574)	CITYUHK: S1D-internal	4
Dispute Resolution (LLM521)	Murdoch: SP17-internal	4
Introduction to the Chinese Legal System (LLM517)	CITYUHK: S1D-internal	4

### Law Undergraduate 'BCL' Points

Australian Common Law System (BCL250)	Murdoch: UA1-internal	4
Tortious Liability (BCL252)	Murdoch: S2-internal	4

### Law Undergraduate 'LAW' Points

Admiralty Law (LAW355)	Murdoch: S2-internal	4
Advanced Clinical Legal Education (LAW385)	Murdoch: DE2-internal (quota of 20 places), SPA1-internal (quota of 20 places), UW3-internal (quota of 20 places)	4
Advanced Criminal Law (LAW333)	Murdoch: S1-internal	4

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Advanced Research Paper (LAW480)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	12
Australian Administrative Law (LAW258)	Murdoch: S1-internal	4
Australian Legal System (LAW150)	Murdoch: S1-internal, S2-internal	3
Australian Migration Law (LAW402)	Murdoch: SP22-internal, UA6-internal	4
Australian Visa System (LAW403)	Murdoch: AU6-internal, SP1-internal	4
Aviation Law (LAW324)	Not available 2011	4
Celtic Law and Society (LAW436)	Not available 2011	4
Children and the Law (LAW246)	Murdoch: S1-internal	4
Chinese Contract and Commercial Law (LAW322)	CITYUHK: S1D-internal	4
Chinese Intellectual Property Laws in the Global Context (LAW374)	CITYUHK: S1D-internal	4
Civil Procedure (LAW350)	Murdoch: S1-internal	4
Clinical Legal Education (LAW390)	Murdoch: DE2-internal (quota of 20 places), UW3-internal (quota of 20 places)	8
Clinical Legal Education (LAW3901)	Murdoch: SPA1-internal (quota of 20 places)	4
Commercial Law (LAW332)	Murdoch: S2-internal	4
Comparative Contract Law (LAW349)	Not available 2011	4
Comparative Law (LAW325)	Murdoch: SB7-internal (quota of 50 places) IMACERATA: S2G-internal	4
Competitions (LAW254)	Murdoch: S1-internal, S2-internal	4
Conflict of Laws (LAW341)	Murdoch: W3-internal	4
Constitutional Law (LAW259)	Murdoch: S2-internal	4
Construction Law (LAW329)	Not available 2011	4
Contract (LAW260)	Murdoch: S1-internal	4
Corporations Law (LAW352)	Murdoch: S1-internal	4
Criminal Justice (LAW405)	Murdoch: S1-internal	4
Criminal Law and Procedure (LAW130)	Murdoch: S2-internal	3
Criminology (LAW406)	Murdoch: S2-internal	4
Dispute Resolution (LAW421)	Murdoch: S2-internal, SB4-internal (quota of 50 places)	4
Electronic Practice and Litigation (LAW326)	Not available 2011	4
Employment Relations Law (LAW363)	Murdoch: W14-internal	4
Environmental, Sustainability and Climate Change Law (LAW356)	Murdoch: AU2-internal	4
Equity and Trusts (LAW351)	Murdoch: S2-internal	4
Ethics and Professional Responsibility (LAW368)	Murdoch: S2-internal	4
European Union Law (LAW342)	Murdoch: W1-internal IMACERATA: S2G-internal	4
Evidence (LAW252)	Murdoch: S2-internal	4
Family Law (LAW370)	Murdoch: S2-internal	4
Income Taxation Principles (LAW353)	Murdoch: SP18-internal	4
Indonesian Law (LAW334)	Not available 2011	4
Insurance Law (LAW319)	Not available 2011	4
Intellectual Property: Patents and Sui Generis Regimes (LAW379)	Murdoch: S1-internal	4
Intellectual Property: Trade Marks and Copyright (LAW375)	Murdoch: S2-internal	4
International Human Rights Organisations (LAW376)	GENEVA: S2G-internal	4
International Intellectual Property (LAW318)	Not available 2011	4
International Taxation (LAW361)	Not available 2011	4
International Trade Law (LAW311)	Murdoch: WF-internal (full fee-paying)	4
Introduction to the Chinese Legal System (LAW317)	CITYUHK: S1D-internal	4
Introduction to World Trade Organisation Law (LAW316)	Murdoch: S2-internal	4
Law in China: Continuity and Change (LAW257)	Murdoch: S1-internal	4
Law Moot (LAW312)	Murdoch: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)	4
Law of Corporate Finance (LAW362)	Murdoch: S2-internal	4
Law of Occupational Health and Safety (LAW372)	Murdoch: AW2-internal	4
Law of Planning (LAW367)	Not available 2011	4
Law Review (LAW313)	Murdoch: H-internal (quota of 20 places), Y-internal (quota of 20 places)	4

Legal Protection of International Human Rights (LAW337)	Murdoch: S1-internal GENEVA: S2G-internal	4
Legal Theory (LAW301)	Murdoch: S1-internal IMACERATA: S2G-internal	4
Mediation (LAW407)	Murdoch: SP18-internal	4
Migration Law in Practice (LAW404)	Murdoch: AU7-internal, SP27-internal	4
Military Law (LAW344)	Not available 2011	4
Mineral and Petroleum Law (LAW348)	Not available 2011	4
Mining and Natural Resources Law (LAW335)	Murdoch: S1-internal	4
Moot Court Bench (LAW314)	Murdoch: H-internal (quota of 12 places), Y-internal (quota of 12 places)	4
Native Title Law (LAW305)	Murdoch: SP17-internal	4
Negotiation (LAW408)	Murdoch: S2-internal (quota of 50 places)	4
Property (LAW253)	Murdoch: S1-internal, S2-internal	4
Psychology and Law (LAW409)	Murdoch: S2-internal	4
Public International Law (LAW365)	Murdoch: S2-internal	4
Refugee Law (LAW327)	GENEVA: S2G-internal	4
Remedies (LAW358)	Murdoch: S2-internal	4
Research and Writing (LAW120)	Murdoch: S1-internal, S2-internal	3
Restorative Justice (LAW431)	Not available 2011	4
Restrictive Trade Practices Law (LAW347)	Murdoch: S2-internal	4
Sentencing and Penology (LAW420)	Murdoch: S1-internal	4
Shipping Law (LAW339)	Not available 2011	4
Social and Welfare Law (LAW423)	Murdoch: S2-internal	4
Special Topics in Law (LAW3002)	Topic not currently offered	4
Special Topics in Law (LAW3004)	Topic not currently offered	4
Special Topics in Law (LAW3005)	Topic not currently offered	4
Special Topics in Law (LAW3006)	Topic not currently offered	4
Special Topics in Law: International Criminal Law (LAW3003)	Murdoch: SB3-internal (quota of 50 places)	4
Special Topics in Law: International Labour Law (LAW300)	Murdoch: UA2-internal	4
Sports Law (LAW377)	Not available 2011	4
Succession Law (LAW345)	Not available 2011	4
Supervised Legal Research (LAW381)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	4
Torts (LAW152)	Murdoch: S2-internal	3
Trial Advocacy (LAW328)	Murdoch: SP23-internal (quota of 30 places)	4
Willem C Vis International Commercial Arbitration Moot (LAW315)	Murdoch: H-internal (quota of 5 places)	4

## Legal Studies

## Points

Australian Legal System (LEG150)	Murdoch: S1-internal	3
Celtic Law and Society (LEG236)	Not available 2011	4
Children and the Law (LEG246)	Murdoch: S1-internal	4
Criminal Law in Western Australia (LEG219)	Murdoch: S1-internal	4
Dispute Resolution (LEG221)	Murdoch: S2-internal (quota of 50 places)	4
Introduction to Administrative Law (LEG153)	Murdoch: S2-internal	3
Law, Justice and Social Policy (LEG100)	Murdoch: S2-internal	3
Mediation (LEG207)	Murdoch: SP18-internal	4
Negotiation (LEG208)	Murdoch: S2-internal (quota of 50 places)	4
Research and Writing (LEG120)	Murdoch: S1-internal, S2-internal	3
Social and Welfare Law (LEG223)	Murdoch: S2-internal	4
Special Topics in Legal Studies (LEG300)	Topic not currently offered	4
Special Topics in Legal Studies (LEG3001)	Topic not currently offered	4

## Mathematics and Statistics

## Points

Applied Mathematics (MAS182)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Applied Statistics and Process Management (MAS284)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Biostatistical Methods (MAS230)	Murdoch: S2-internal, S2-external	4

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Calculus and Matrix Algebra (MAS161)	Murdoch: S2-internal, S2-external	3
Computational Mathematics (MAS167)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N1-internal	3
Environmental and Biological Modelling (MAS305)	Murdoch: S1-internal, S1-external	4
Fundamentals of Mathematics (MAS164)	Murdoch: S1-internal, S1-external, S2-internal	3
Introduction to Statistics (MAS180)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N2-internal KDUPJ: S1K-internal	3
Mathematical Methods (MAS261)	Murdoch: S1-internal, S1-external	4
Mathematical Modelling (MAS208)	Murdoch: S2-internal, S2-external	4
Modelling and Simulation (MAS375)	Murdoch: S2-internal, S2-external	4
Probability and Statistical Inference (MAS278)	Murdoch: S1-internal, S1-external	4
Statistical Data Analysis (MAS183)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N2-internal	3
Statistical Design and Data Analysis (MAS374)	Murdoch: S2-internal, S2-external	4
Time Series and Multivariate Analysis (MAS368)	Murdoch: S1-internal, S1-external	4

### Media Communication and Culture

### Points

3D Animation (MCC265)	Murdoch: S2-internal	4
3D Animation (MCC665)	Murdoch: S1-internal	4
3D Modelling (MCC164)	Murdoch: S1-internal	3
Advanced Media Projects (MCC538)	Murdoch: S1-internal, S2-internal, Y-internal	12
Advanced Screen Production (MCC302)	Murdoch: S1-internal (quota of 60 places) DUBAI-ISC: N2-internal	4
Advanced Screen Production (MCC602)	Murdoch: S1-internal	4
Advanced Topic in Media Production (MCC5101)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	4
Advanced Topic in Media Production (MCC5102)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	4
Animation (MCC241)	Murdoch: S1-internal	4
Animation (MCC571)	Murdoch: S1-internal	4
Campaign Management (MCC307)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Campaign Management (MCC607)	Murdoch: S2-internal	4
Children and the Media (MCC321)	Murdoch: S2-internal	4
Children and the Media (MCC621)	Murdoch: S2-internal	4
Communication Management: Professional Perspectives (MCC683)	Not available 2011	8
Communication Projects (MCC316)	Murdoch: S1-internal (quota of 30 places), S2-internal DUBAI-ISC: N2-internal	4
Communication Projects (MCC616)	Murdoch: S1-internal, S2-internal	4
Communication Research (MCC213)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal KAPLAN-SGP: T2A-internal KDUPJ: S2K-internal SGP1: T2B-internal	4
Communication Research (MCC513)	Murdoch: S2-internal, S2-external	4
Contemporary Cultures and the Small Screen (MCC219)	Murdoch: S1-internal, S1-external KDUPJ: S1K-internal	4
Contemporary Cultures and the Small Screen (MCC519)	Murdoch: S1-internal, S1-external	4
Cultural and Media Policy (MCC337)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Cultural and Media Policy (MCC637)	Murdoch: S1-internal, S1-external	4

Students should ensure they are familiar with the University's internal legislation, including provisions specifically relevant to their studies. See the University Regulation overview in this Handbook and view legislation online at <http://www.murdoch.edu.au/goto/legislation/>

Digital Content Production (MCC340)	Murdoch: S2-internal (quota of 60 places)	4
Documentary (MCC333)	Murdoch: S1-internal DUBAI-ISC: N2-internal KDUPJ: S1K-internal SGP1: T2B-internal	4
Documentary (MCC633)	Murdoch: S1-internal	4
Drawing (MCC172)	Murdoch: S1-internal	3
Drawing Studio (MCC273)	Not available 2011	4
Games Art (MCC261)	Murdoch: S1-internal	4
Games Design Studio (MCC375)	Not available 2011	4
Games Project (MCC362)	Murdoch: S2-internal	4
Gender, Globalisation and Cultural Politics (MCC211)	Murdoch: S2-internal, S2-external	4
Gender, Globalisation and Cultural Politics (MCC511)	Murdoch: S2-internal, S2-external	4
Global Media: Asia-Pacific Perspectives (MCC682)	Murdoch: S1-internal, S1-external	4
Global Media: Asia-Pacific Perspectives (MCC6821)	Murdoch: S1-internal	6
Institutions, Culture and Power (MCC103)	Murdoch: S2-internal, S2-external	3
Introduction to Communication and Media (MCC108)	Murdoch: S1-internal, S1-external DUBAI-ISC: N2-internal KDUPJ: S1K-internal	3
Introduction to Digital Design (MCC129)	Murdoch: S1-internal	3
Introduction to Games Art and Design (MCC154)	Murdoch: S2-internal	3
Introduction to Gender and Cultural Studies (MCC102)	Murdoch: S1-internal, S1-external	3
Introduction to Journalism (MCC104)	Murdoch: S2-internal DUBAI-ISC: N1-internal	3
Introduction to Public Relations (MCC107)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal KDUPJ: S2K-internal	3
Introduction to Radio (MCC105)	Murdoch: S1-internal, S2-internal (quota of 80 places) DUBAI-ISC: N1-internal	3
Introduction to Sound Studies (MCC169)	Murdoch: S2-internal	3
Introduction to the Screen (MCC116)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N1-internal KDUPJ: S2K-internal	3
Investigative Reporting (MCC301)	Murdoch: S2-internal	4
Investigative Reporting (MCC601)	Murdoch: S2-internal	4
Issues and Crisis Management (MCC345)	Murdoch: S1-internal KDUPJ: S1K-internal SGP1: T2B-internal	4
Issues and Crisis Management (MCC645)	Murdoch: S1-internal	4
Issues in Screen Analysis (MCC358)	Not available 2011	4
Issues in Screen Analysis (MCC658)	Not available 2011	4
Journalism Project (MCC549)	Murdoch: W-internal	8
Journalism Project (MCC5491)	Not available 2011	4
Master of Arts by Coursework Dissertation (MCC650)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	12
Master of Arts by Coursework Project (MCC620)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Masters Coursework Production (MCC651)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	12
Masters Topic in Media Production (MCC6101)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	4
Masters Topic in Media Production (MCC6102)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal	4

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Media and Globalisation (MCC314)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal, T3B-internal	4
Media Audiences and the Public (MCC236)	Murdoch: S1-internal, S1-external DUBAI-ISC: N2-internal KAPLAN-SGP: T3A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Media Audiences and the Public (MCC566)	Murdoch: S1-internal, S1-external	4
Media Law and Ethics (MCC245)	Murdoch: S1-internal DUBAI-ISC: N2-internal SGP1: T1B-internal, T3B-internal	4
Media Law and Ethics (MCC545)	Murdoch: S1-internal	4
Media Management Project (MCC680)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, W-internal, W-external	6
Media Production Seminar (MCC433)	Murdoch: S1-internal, S2-internal	4
Media Production Seminar (MCC533)	Murdoch: S1-internal, S2-internal	4
Media Projects (MCC312)	Murdoch: S1-internal, S2-internal	4
Media Projects (MCC612)	Murdoch: S1-internal, S2-internal	4
Media Relations (MCC259)	Murdoch: S1-internal DUBAI-ISC: N2-internal KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S1K-internal SGP1: T1B-internal, T3B-internal	4
Media Relations (MCC559)	Murdoch: S1-internal	4
Multimedia Client Project (MCC338)	Murdoch: S1-internal	4
Multimedia Client Project (MCC638)	Murdoch: S1-internal	4
Multimedia Studio (MCC339)	Murdoch: S2-internal	4
Multimedia Studio (MCC639)	Murdoch: S2-internal	4
Music Technology (MCC268)	Murdoch: S1-internal (quota of 45 places)	4
Music Technology (MCC568)	Murdoch: S1-internal (quota of 45 places)	4
Narrating the Nation: Media, Identity, Culture (MCC231)	Not available 2011	4
Narrating the Nation: Media, Identity, Culture (MCC531)	Not available 2011	4
New Media Technologies (MCC315)	Murdoch: S2-internal, S2-external KDUPJ: S2K-internal SGP1: T2B-internal	4
New Media Technologies (MCC615)	Murdoch: S2-internal, S2-external	4
Newsroom (MCC323)	Murdoch: S1-internal, S2-internal DUBAI-ISC: N2-internal SGP1: T1B-internal, T3B-internal	4
Newsroom (MCC623)	Murdoch: S1-internal, S2-internal	4
Photo and Video Journalism (MCC267)	Murdoch: S1-internal SGP1: T3B-internal	4
Photo and Video Journalism (MCC567)	Murdoch: S1-internal	4
Photography and Digital Imaging (MCC124)	Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places) DUBAI-ISC: N2-internal	3
Politics, Journalism and Society (MCC240)	Murdoch: S2-internal DUBAI-ISC: N1-internal SGP1: T2B-internal	4
Politics, Journalism and Society (MCC540)	Murdoch: S2-internal	4
Popular Culture and Everyday Life (MCC235)	Murdoch: S1-internal, S1-external	4
Popular Culture and Everyday Life (MCC535)	Murdoch: S1-internal, S1-external	4
Popular Music (MCC274)	Not available 2011	4

Professional Communication (MCC246)	Murdoch: S1-internal, S1-external DUBAI-ISC: N2-internal KAPLAN-SGP: T2A-internal KDUPJ: S1K-internal SGP1: T2B-internal	4
Professional Communication (MCC546)	Murdoch: S1-internal, S1-external	4
Professional Development in Screen Production (MCC201)	Murdoch: S2-internal (quota of 80 places) DUBAI-ISC: N1-internal	4
Professional Development in Screen Production (MCC501)	Murdoch: S2-internal	4
Professional Placement in Media Communication and Culture (MCC325)	Murdoch: S1-internal, S2-internal, SUM-internal, W-internal	4
Professional Placement in Media Communication and Culture (MCC625)	Murdoch: S1-internal, S2-internal, SUM-internal, W-internal	4
Public Relations: Contemporary Approaches (MCC204)	Murdoch: S2-internal DUBAI-ISC: N1-internal KAPLAN-SGP: T1A-internal, T3A-internal KDUPJ: S2K-internal SGP1: T1B-internal	4
Public Relations: Contemporary Approaches (MCC504)	Murdoch: S2-internal	4
Radio Presenting and Producing (MCC244)	Murdoch: S1-internal (quota of 30 places)	4
Radio Presenting and Producing (MCC544)	Murdoch: S1-internal	4
Reading Image and Text (MCC322)	Murdoch: S2-internal, S2-external	4
Reading Image and Text (MCC622)	Murdoch: S2-internal, S2-external	4
Screen Production I (MCC128)	Murdoch: S1-internal (quota of 102 places), S2-internal DUBAI-ISC: N2-internal	3
Screen Production II (MCC226)	Murdoch: S1-internal (quota of 80 places) DUBAI-ISC: N2-internal	4
Screen Production II (MCC526)	Murdoch: S1-internal	4
Screen Texts (MCC248)	Murdoch: S2-internal, S2-external KAPLAN-SGP: T2A-internal KDUPJ: S2K-internal SGP1: T2B-internal	4
Screen Texts (MCC2481)	DUBAI-ISC: N1-internal	4
Screen Texts (MCC548)	Murdoch: S2-internal, S2-external	4
Sexuality, Bodies and Culture (MCC356)	Murdoch: S2-internal, S2-external	4
Sexuality, Bodies and Culture (MCC656)	Murdoch: S2-internal, S2-external	4
Sound (MCC214)	Murdoch: S2-internal (quota of 45 places)	4
Sound Design (MCC376)	Not available 2011	4
Soundtrack (MCC377)	Not available 2011	4
Special Topics in Communication (MCC255)	Topic not currently offered	4
Special Topics in Communication (MCC555)	Topic not currently offered	4
Special Topics in Gender and Cultural Studies (MCC270)	Topic not currently offered	4
Special Topics in Gender and Cultural Studies (MCC570)	Topic not currently offered	4
Special Topics in Media (MCC2601)	Topic not currently offered	4
Special Topics in Media (MCC5601)	Topic not currently offered	4
Special Topics in Media Studies (MCC260)	Topic not currently offered	4
Special Topics in Media Studies (MCC560)	Topic not currently offered	4
Special Topics in Multimedia (MCC257)	Topic not currently offered	4
Special Topics in Multimedia (MCC557)	Topic not currently offered	4
Strategic Communication (MCC681)	Murdoch: S2-internal	4
Strategic Communication (MCC6811)	Not available 2011	6
Video Game Studies (MCC232)	Murdoch: S2-internal	4
Video Game Studies (MCC532)	Murdoch: S2-internal	4
Visual Communication (MCC118)	Murdoch: S2-internal	3
Web Design (MCC263)	Murdoch: S1-internal	4
Web Design (MCC563)	Murdoch: S1-internal	4
Web Games Design and Production (MCC218)	Murdoch: S2-internal	4

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Web News Production (MCC217)	Murdoch: S2-internal DUBAI-ISC: N1-internal SGP1: T2B-internal	4
Web News Production (MCC517)	Murdoch: S2-internal	4
Writing for the Screen (MCC353)	Murdoch: S2-internal	4
Writing for the Screen (MCC653)	Murdoch: S2-internal	4

## Midwifery

## Points

Anatomy and Physiology for Midwifery Practice (MID501)	Murdoch: S1-internal, S1-external	4
High Risk Neonatal Nursery Care (MID605)	Murdoch: S2-internal, S2-external	4
New Directions; Healthy for Life (MID606)	Murdoch: S1-internal, S1-external	4
Woman's Health for Midwifery Practice 1 (MID604)	Murdoch: S1-internal, S1-external	4

## Nursing

## Points

Advanced Mental Health Nursing (NUR614)	Murdoch: S1-external, S2-external	4
Advanced Nursing Clinical Assessment Topic (NUR619)	Murdoch: S1-external, S2-external	4
Applied Health Research Methods: From Research to Practice (NUR632)	Murdoch: S1-internal, S1-external	4
Bioethics and Law for Health Care Leadership (NUR610)	Murdoch: S1-internal, S1-external	4
Children and Adolescent Health (NUR303)	Peel: S1-internal	4
Children and Adolescent Health - Clinical Placement (NUR333)	Peel: W-external	1
Children and Adolescent Health - Clinical Placement (NUR3331)	Not available 2011	2
Clinical and Corporate Governance (NUR641)	Murdoch: S1-internal, S1-external	4
Clinical Documentation for Quality and Safety (NUR643)	Murdoch: S1-internal, S1-external	4
Clinical Practice Transition Options (NUR398)	Not available 2011	2
Clinical Practice Transition Options (NUR3981)	Peel: DE9-external	1
Contemporary Nursing Management in Health Care (NUR309)	Peel: DE9-internal	4
Evidence Based Enquiry, Law and Ethics (NUR229)	Peel: S1-internal	4
Family and Community Health (NUR301)	Peel: S1-internal	4
Family and Community Health - Clinical Placement (NUR331)	Peel: W-external	1
Financial Management in Health Care (NUR639)	Murdoch: S2-internal, S2-external	4
From Clinician to Manager (NUR644)	Murdoch: S1-internal, S1-external	4
Fundamentals of Cell Function (NUR101)	Peel: S1-internal	3
Fundamentals of Pathophysiology and Pharmacology I (NUR201)	Peel: S1-internal	4
Fundamentals of Pathophysiology and Pharmacology II (NUR202)	Peel: S2-internal	4
Health and Physical Assessment (NUR105)	Peel: S2-internal	3
Health and Physical Assessment - Clinical Placement (NUR115)	Peel: SUM-external	1
Health Care Education (NUR638)	Murdoch: S2-internal, S2-external	4
Health Literacy (NUR642)	Not available 2011	4
Health Services Dissertation (NUR650)	Murdoch: S1-external, S2-external	12
Health Services Project (NUR640)	Murdoch: S1-external, S2-external	8
Holistic Developmental Health Assessment (NUR208)	Peel: S1-internal	4
Holistic Nursing (NUR103)	Peel: S1-internal	3
Indigenous Culture and Health Care (NUR234)	Peel: S2-internal	4
Internship (NUR648)	Murdoch: S1-external, S2-external	4
Introduction to Mental Health (NUR127)	Peel: S2-internal	3
Introduction to Mental Health -- Clinical Placement (NUR128)	Peel: SUM-external	1
Introduction to the Nursing Profession (NUR100)	Peel: S1-internal	3
Introduction to the Nursing Profession -- Clinical Placement (NUR110)	Peel: W-external	1
Knowledge Management (NUR647)	Murdoch: S1-internal, S1-external	4
Leadership and the Gender Perspective in Health Care (NUR646)	Not available 2011	4
Managing Emergencies Including Planning for Business Continuity (NUR645)	Not available 2011	4
Managing in a Health Care Environment (NUR612)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Maternal and Newborn Health (NUR302)	Peel: S1-internal	4

Maternal and Newborn Health -- Clinical Placement (NUR332)	Peel: W-external	1
Maternal and Newborn Health -- Clinical Placement (NUR3321)	Not available 2011	2
Medical and Surgical -- Clinical Placement (NUR322)	Peel: SUM-external, W-external	1
Medical and Surgical Nursing I (NUR203)	Peel: S1-internal	4
Medical and Surgical Nursing I -- Clinical Placement (NUR223)	Peel: W-external	1
Medical and Surgical Nursing II (NUR205)	Peel: S2-internal	4
Medical and Surgical Nursing II -- Clinical Placement (NUR225)	Peel: SUM-external	1
Mental Health Nursing (NUR206)	Peel: S1-internal	4
Mental Health Nursing -- Clinical Placement (NUR226)	Peel: W-external	1
Nursing Bioscience I (NUR102)	Peel: S2-internal	3
Nursing Bioscience II (NUR104)	Peel: S2-internal	3
Nursing Research Writing (NUR461)	Peel: S1-internal, S2-internal	4
Nursing Research Writing (NUR661)	Peel: S1-internal, S2-internal	4
Nursing Specialties (NUR305)	Peel: DE9-internal	4
Nursing Specialties -- Clinical Placement (NUR335)	Peel: DE9-external	1
Quality and Safety in Health Care (NUR601)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Strategic Leadership in Health Care (NUR611)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Transition and Leadership in the Nursing Profession (NUR336)	Peel: DE9-internal	4
Wound Healing and Advanced Care: the Science and Art (NUR637)	Murdoch: S1-internal	4

## Pharmacy

## Points

Evidence-Based Practice (PHA261)	Not available 2011	2
Evidence-Based Practice (PHA761)	Murdoch: T2-internal	2
Fundamentals of Cell Function I (PHA101)	Not available 2011	3
Fundamentals of Cell Function II (PHA102)	Not available 2011	3
Introduction to Pharmacy (PHA121)	Not available 2011	3
Molecular Therapeutics (PHA322)	Not available 2011	2
Molecular Therapeutics (PHA622)	Not available 2011	2
Pharmaceutical Chemistry I (PHA201)	Not available 2011	3
Pharmaceutical Chemistry I (PHA501)	Murdoch: T1-internal	3
Pharmaceutical Chemistry II (PHA202)	Not available 2011	3
Pharmaceutical Chemistry II (PHA502)	Murdoch: T2-internal	3
Pharmaceutical Chemistry III (PHA303)	Not available 2011	2
Pharmaceutical Chemistry III (PHA603)	Murdoch: T3-internal	2
Pharmaceutics I (PHA211)	Not available 2011	3
Pharmaceutics I (PHA511)	Murdoch: T1-internal	3
Pharmaceutics II (PHA212)	Not available 2011	4
Pharmaceutics II (PHA512)	Murdoch: ASP3-internal	4
Pharmacology I (PHA233)	Not available 2011	3
Pharmacology I (PHA533)	Murdoch: T1-internal	3
Pharmacology II (PHA231)	Not available 2011	3
Pharmacology II (PHA531)	Murdoch: T2-internal	3
Pharmacology III (PHA432)	Not available 2011	3
Pharmacology III (PHA632)	Murdoch: T1-internal	3
Pharmacotherapeutics I (PHA351)	Not available 2011	3
Pharmacotherapeutics I (PHA651)	Murdoch: T3-internal	3
Pharmacotherapeutics II (PHA352)	Not available 2011	4
Pharmacotherapeutics II (PHA652)	Not available 2011	4
Pharmacotherapeutics III (PHA453)	Not available 2011	4
Pharmacotherapeutics III (PHA753)	Murdoch: T1-internal	4
Pharmacotherapeutics IV (PHA454)	Not available 2011	4
Pharmacotherapeutics IV (PHA754)	Murdoch: T2-internal	4
Pharmacy Business Management (PHA462)	Not available 2011	4
Pharmacy Business Management (PHA762)	Murdoch: T2-internal	4
Pharmacy Care (PHA221)	Not available 2011	3
Pharmacy Care (PHA521)	Murdoch: T1-internal	3
Pharmacy Practice I (PHA241)	Not available 2011	3

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Pharmacy Practice I (PHA541)	Murdoch: T2-internal	3
Pharmacy Practice II (PHA342)	Not available 2011	4
Pharmacy Practice II (PHA642)	Murdoch: T3-internal	4
Pharmacy Practice III (PHA343)	Not available 2011	5
Pharmacy Practice III (PHA643)	Not available 2011	5
Pharmacy Practice IV (PHA444)	Not available 2011	5
Pharmacy Practice IV (PHA744)	Murdoch: T1-internal	5
Pharmacy Practice V (PHA445)	Not available 2011	5
Pharmacy Practice V (PHA745)	Murdoch: T2-internal	5

## Philosophy

## Points

Ancient Greek Ideas (PHL216)	Not available 2011	4
Ancient Greek Ideas (PHL416)	Not available 2011	4
Critical and Creative Thinking (PHL131)	Murdoch: S1-internal, S1-external	3
Critical Metaphysics (PHL218)	Murdoch: S2-internal, S2-external	4
Critical Metaphysics (PHL418)	Not available 2011	4
Ethics in Practice (PHL272)	Murdoch: S2-internal, S2-external	4
Ethics in Practice (PHL472)	Murdoch: S2-internal, S2-external	4
Ethics, Responsibility and Justice (PHL219)	Murdoch: S1-internal, S1-external	4
Ethics, Responsibility and Justice (PHL419)	Murdoch: S1-internal, S1-external	4
Existence and Freedom (PHL201)	Murdoch: S2-internal, S2-external	4
Existence and Freedom (PHL401)	Murdoch: S2-internal, S2-external	4
Film and Philosophy (PHL214)	Murdoch: S1-internal, S1-external	4
Film and Philosophy (PHL414)	Murdoch: S1-internal, S1-external	4
Introduction to Philosophy (PHL130)	Murdoch: S2-internal, S2-external	3
Life, Death and Meaning (PHL277)	Not available 2011	4
Life, Death and Meaning (PHL477)	Not available 2011	4
Love and Friendship (PHL215)	Murdoch: S1-internal, S1-external	4
Love and Friendship (PHL415)	Murdoch: S1-internal, S1-external	4
Master of Arts by Coursework Dissertation (PHL650)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Master of Arts by Coursework Project (PHL620)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Meaning and Interpretation (PHL217)	Not available 2011	4
Meaning and Interpretation (PHL417)	Not available 2011	4
Special Topics in Philosophy (PHL283)	Topic not currently offered	4
Special Topics in Philosophy (PHL483)	Topic not currently offered	4
Theories of Mind (PHL230)	Murdoch: S2-internal, S2-external	4
Theories of Mind (PHL430)	Murdoch: S2-internal, S2-external	4

## Physics, Energy Studies and Chemistry

## Points

Advanced Energy Policy: Electricity Market Reform (PEC627)	Murdoch: S2-internal, S2-external	4
Advanced Projects in Chemistry (PEC306)	Murdoch: H-internal, S1-internal, S2-internal, Y-internal	4
Advanced Topics in Physics and Nanotechnology: Experimental (PEC423)	Murdoch: S2-internal, S2-external	4
Advanced Topics in Physics: Theoretical (PEC430)	Murdoch: S1-internal, S1-external	4
Applications of Nanotechnology (PEC261)	Murdoch: S1-internal, S1-external	4
Astronomy (PEC123)	Not available 2011	3
Case Studies of Renewable Energy Systems (PEC620)	Murdoch: S2-internal, S2-external, Y-external	4
Chemical Analysis (PEC240)	Murdoch: S1-internal, S1-external	4
Chemical Laboratory Techniques (PEC143)	Murdoch: S2-internal	3
Chemical Principles (PEC144)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Chemical Processes (PEC247)	Murdoch: S1-internal, S1-external	4
Climate Sensible Home Design (PEC672)	Murdoch: S2-internal, S2-external	4
Electromagnetism (PEC232)	Murdoch: S2-internal, S2-external	4
Energy Economics (PEC393)	Murdoch: H-external, S1-internal, S1-external	4

Energy Economics (PEC593)	Murdoch: H-external, S1-internal, S1-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Energy Efficiency, System Analysis and Auditing (PEC625)	Murdoch: S2-external, Y-external	4
Energy Efficient Buildings (PEC370)	Murdoch: S1-internal, S1-external	4
Energy Efficient Buildings (PEC670)	Murdoch: S1-internal, S1-external	4
Energy in Society (PEC292)	Murdoch: S1-internal, S1-external, S2-external, Y-external	4
Energy in Society (PEC592)	Murdoch: S1-internal, S1-external, S2-external, Y-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Energy Management (PEC294)	Murdoch: S1-internal, S1-external, S2-external, Y-external	4
Energy Management (PEC594)	Murdoch: S1-internal, S1-external, S2-external, Y-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Energy Policy (PEC391)	Murdoch: S2-internal, S2-external, Y-external	4
Energy Policy (PEC591)	Murdoch: S2-internal, S2-external, Y-external KAPLAN-SGP: T2A-internal, T3A-internal	4
Energy Studies Project (PEC396)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external	4
Energy Studies Project (PEC596)	Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external KAPLAN-SGP: T3A-internal	4
Energy Systems (PEC390)	Murdoch: S2-internal, S2-external, Y-external	4
Energy Systems (PEC590)	Murdoch: S2-internal, S2-external, Y-external KAPLAN-SGP: T3A-internal	4
Environmental Architecture Dissertation (PEC673)	Murdoch: Y-internal, Y-external	8
Environmental Building Services (PEC375)	Murdoch: S2-internal, S2-external	4
Environmental Building Services (PEC675)	Murdoch: S2-internal, S2-external	4
Experimental Physics and Nanotechnology (PEC363)	Murdoch: S2-internal, S2-external	4
General Physics (PEC120)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Greenhouse Accounting and Life Cycle Assessment (PEC311)	Murdoch: S2-internal, S2-external, Y-external	4
Greenhouse Accounting and Life Cycle Assessment (PEC611)	Murdoch: S2-internal, S2-external, Y-external KAPLAN-SGP: T3A-internal	4
Greenhouse Science and Policy (PEC332)	Murdoch: H-external, S1-internal, S1-external	4
Greenhouse Science and Policy (PEC632)	Murdoch: H-external, S1-internal, S1-external KAPLAN-SGP: T3A-internal	4
Industrial and Commercial Energy Efficiency Technologies (PEC626)	Murdoch: S2-external, Y-external	4
Innovation Management (PEC374)	Murdoch: S2-internal, S2-external	4
Innovation Management (PEC674)	Murdoch: S2-internal, S2-external	4
Instrumental Analysis (PEC340)	Murdoch: S2-internal, S2-external	4
Introduction to Chemistry (PEC140)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Introduction to Energy Studies (PEC190)	Murdoch: S2-internal, S2-external, Y-external	3
Introduction to Forensic Science (PEC103)	Murdoch: S2-internal	3
Materials Chemistry (PEC312)	Murdoch: S1-internal, S1-external	4
Modern Physics (PEC231)	Murdoch: S1-internal, S1-external	4
Molecular Design (PEC349)	Murdoch: S2-internal, S2-external	4
Organic Structures and Reactivity (PEC238)	Murdoch: S1-internal, S1-external	4
Physical Sciences Internship (PEC310)	Murdoch: S1-internal, S2-internal, Y-internal	12
Physics and Nanotechnology Projects (PEC307)	Murdoch: S1-internal, S2-internal, Y-internal	4
Physics of Materials (PEC317)	Murdoch: S1-internal, S1-external	4
Preparatory Science (PEC100)	Murdoch: S1-internal, S2-internal	3
Principles of Physics (PEC152)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	3
Renewable Energy and Sustainable Development (PEC287)	Murdoch: S2-internal, S2-external, Y-external	4
Renewable Energy and Sustainable Development (PEC587)	Murdoch: S2-internal, S2-external, Y-external KAPLAN-SGP: T3A-internal	4
Renewable Energy Devices (PEC621)	Murdoch: H-external, S1-internal, S1-external	4
Renewable Energy Dissertation (PEC624)	Murdoch: H-external, H-external, Y-internal, Y-external	8
Renewable Energy Resources (PEC622)	Murdoch: H-external, S1-internal, S1-external	4
Renewable Energy Systems Design (PEC623)	Murdoch: S2-internal, S2-external, Y-external	4
Solar Architecture and Health in Buildings (PEC671)	Murdoch: S2-internal, S2-external	4

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Special Topics in Energy Studies (PEC297)	Topic not currently offered	4
Special Topics in Energy Studies (PEC597)	Topic not currently offered	4
Thermodynamics (PEC201)	Murdoch: S2-internal, S2-external	4
Thermodynamics for Physics and Nanotechnology (PEC202)	Murdoch: S2-internal, S2-external	4

## Politics and International Studies

## Points

Asia-Pacific in the Global System (POL161)	Murdoch: S1-internal, S1-external	3
Australian Foreign Policy in a Changing World (POL239)	Murdoch: S1-internal, S1-external	4
Australian Government (POL135)	Murdoch: S1-internal, S1-external	3
Authoritarianism and Democracy in Asia (POL257)	Murdoch: S2-internal, S2-external	4
Authoritarianism and Democracy in Asia (POL657)	Murdoch: S2-internal, S2-external	4
Democracy in the 21st Century (POL297)	Murdoch: S2-internal, S2-external	4
Democracy in the 21st Century (POL697)	Murdoch: S2-internal, S2-external	4
Environmental Politics (POL285)	Murdoch: S1-internal, S1-external	4
Environmental Politics (POL585)	Murdoch: S1-internal, S1-external	4
Gender and Development (POL313)	Not available 2011	4
Gender and Development (POL613)	Not available 2011	4
Government Agencies in a Changing World (POL250)	Murdoch: S1-internal, S1-external	4
Government Agencies in a Changing World (POL551)	Murdoch: S1-internal, S1-external	4
Health Practice and Management (POL512)	Not available 2011	4
International Relations Theory (POL603)	Murdoch: S1-internal, S1-external	4
International Security and Strategy (POL608)	Murdoch: S1-internal, S1-external	4
International Security Studies (POL291)	Murdoch: S2-internal, S2-external	4
Introduction to Politics (POL133)	Murdoch: S2-internal, S2-external	3
Master of Arts by Coursework Dissertation (POL650)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Master of Arts by Coursework Project (POL620)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Master of Arts by Coursework Project (POL6201)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Modern Political Thought (POL223)	Murdoch: S2-internal, S2-external	4
Modern Theories of the State (POL260)	Not available 2011	4
Modern Theories of the State (POL660)	Not available 2011	4
Perspectives on Security and Terrorism (POL192)	Murdoch: S1-internal, S1-external	3
Politics and Security in Southeast Asia: Terrorists, Gangsters and the State (POL213)	Murdoch: S2-internal, S2-external	4
Politics and Security in Southwest Asia (POL218)	Murdoch: S1-internal, S1-external	4
Politics of Cyberspace (POL215)	Murdoch: S2-internal, S2-external	4
Politics of Cyberspace (POL515)	Murdoch: S2-internal, S2-external	4
Politics of Globalisation (POL299)	Murdoch: S2-internal, S2-external	4
Politics of Globalisation (POL699)	Murdoch: S2-internal, S2-external	4
Politics of Neoliberalism (POL505)	Not available 2011	4
Power of the Media and Public Interest (POL302)	Murdoch: S2-internal, S2-external	4
Public Health Policy (POL510)	Not available 2011	4
Public Policy Analysis (POL230)	Murdoch: S2-internal, S2-external	4
Public Policy Analysis (POL530)	Murdoch: S2-internal, S2-external	4
Research Project (POL607)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	8
Special Topics in Politics and International Studies (POL219)	Topic not currently offered	4
Special Topics in Politics and International Studies (POL2191)	Topic not currently offered	4
Special Topics in Politics and International Studies (POL419)	Topic not currently offered	4
Special Topics in Politics and International Studies (POL619)	Topic not currently offered	4
Special Topics in Security, Terrorism and Counterterrorism Studies (POL604)	Topic not currently offered	4
States, Governance and Globalisation (POL606)	Murdoch: S2H-internal	4
Terrorism and Counterterrorism (POL609)	Murdoch: S1-internal, S1-external	4
Terrorism in a Globalised World (POL293)	Murdoch: S2-internal, S2-external	4
The Rise of Greater China (POL212)	Murdoch: S2-internal, S2-external	4

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US Policies and Global Security (POL211) Murdoch: S1-internal, S1-external 4

## Psychology

## Points

Applied Psychology Dissertation (PSY600)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	12
Applied Psychology Dissertation (PSY690)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	10
BPsych Practical Placements (PSY444)	Murdoch: S1-internal (quota of 40 places), S2-internal (quota of 40 places)	4
Clinical Psychology: Developmental Disabilities (PSY567)	Murdoch: S2-internal	3
Clinical Psychology: External Practicum (PSY604)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	12
Clinical Psychology: Internal Practicum (Adult) (PSY538)	Murdoch: SUM-internal, Y-internal	3
Clinical Psychology: Internal Practicum (Child, Youth and Family) (PSY537)	Murdoch: SUM-internal, Y-internal	3
Clinical Psychology: Working with Adults (PSY565)	Murdoch: S1-internal	3
Clinical Psychology: Working with Children and Families (PSY564)	Murdoch: S1-internal	3
Clinical Psychology: Working with Health Problems (PSY502)	Murdoch: S2-internal	3
Counselling: Case Conceptualisation and Assessment (PSY527)	Not available 2011	3
Counselling: Case Conceptualisation and Assessment (PSY566)	Murdoch: S1-internal	4
Counselling: Case Study (PSY677)	Murdoch: S2-internal	4
Counselling: Children and Families (PSY535)	Not available 2011	3
Counselling: Experiential Learning in Group Counselling (PSY581)	Murdoch: S1-internal	4
Counselling: Experiential Learning in Individual and Group Counselling (PSY528)	Not available 2011	3
Counselling: Introduction to Creative Arts Therapies (PSY676)	Murdoch: S1-internal	4
Counselling: Placement and Supervision Group 1 (PSY522)	Not available 2011	6
Counselling: Placement and Supervision Group 1 (PSY579)	Murdoch: DE7-internal, S1L-internal	4
Counselling: Placement and Supervision Group 2 (PSY621)	Murdoch: DE7-internal, S1L-internal	4
Counselling: Placement and Supervision Group 3 (PSY622)	Murdoch: DE7-internal, S1L-internal	4
Counselling: Principles of Counselling 1 (PSY531)	Not available 2011	3
Counselling: Principles of Counselling 1 (PSY582)	Murdoch: S1-internal	4
Counselling: Principles of Counselling 2 (PSY532)	Murdoch: S2-internal	3
Counselling: Principles of Counselling 2 (PSY684)	Not available 2011	4
Counselling: Research Project (PSY620)	Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal	12
Counselling: Trauma Counselling (PSY674)	Murdoch: S1-internal	4
Counselling: Working with Adults (PSY530)	Not available 2011	3
Counselling: Working with Adults (PSY583)	Murdoch: S2-internal	4
Counselling: Working with Children and Couples (PSY578)	Murdoch: S2-internal	4
Doctor of Psychology (Clinical): Practicum I (PSY703)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	6
Doctor of Psychology (Clinical): Practicum II (PSY704)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	6
Doctor of Psychology (Organisational): Practicum I (PSY701)	Murdoch: S1-internal, S2-internal, Y-internal	6
Doctor of Psychology (Organisational): Practicum II (PSY702)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	6
Doctor of Psychology Thesis (PSY700)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	36
Human Resources (PSY568)	Murdoch: S1-internal	3
Introduction to Applications of Psychology (PSY171)	Murdoch: S1-internal, S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	3
Introduction to Psychological Health and Wellbeing (PSY172)	Murdoch: S2-internal Rockingham: S2-internal	3
Introduction to Psychological Research Methods (PSY173)	Murdoch: S1-internal, S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	3
Introduction to Psychological Science (PSY141)	Murdoch: S1-internal, S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	3
Organisation of Work (PSY552)	Murdoch: S2-internal	3
Organisational Psychology: Practicum I (PSY570)	Murdoch: Y-internal	6
Organisational Psychology: Practicum II (PSY603)	Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal	12
Professional Practice and Organisational Consulting (PSY563)	Murdoch: Y-internal	3
Psychological Assessment: Theory and Method (PSY562)	Murdoch: Y-internal	3

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Psychology: Abnormal Behaviour (PSY213)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Advanced Qualitative Research Methods (PSY315)	Murdoch: S2-internal	4
Psychology: Advanced Quantitative Research Methods (PSY311)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Advanced Thesis Research Methods (PSY655)	Murdoch: Y-internal	2
Psychology: Advanced Thesis Research Methods (PSY755)	Murdoch: Y-internal	0
Psychology: Biological Bases of Behaviour (PSY351)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Cognitive Processes (PSY353)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Conceptual Issues in Psychology (PSY432)	Not available 2011	4
Psychology: Culture and Community (PSY246)	Murdoch: S1-internal	4
Psychology: Drugs and Dependence (PSY215)	Murdoch: S1-internal	4
Psychology: Family Relations and Social Development (PSY356)	Murdoch: S1-internal	4
Psychology: Fourth Year Project (PSY441)	Murdoch: H-internal, Y-internal	8
Psychology: Fourth Year Seminar (PSY412)	Murdoch: S1-internal	4
Psychology: Honours Seminar (PSY411)	Murdoch: S1-internal	4
Psychology: Human Development (PSY247)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Industrial and Organisational Issues (PSY434)	Murdoch: S2-internal	4
Psychology: Measurement, Design and Analysis (PSY212)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Principles and Processes of Interventions (PSY436)	Murdoch: S2-internal	4
Psychology: Principles of Psychological Assessment (PSY431)	Murdoch: S1-internal	4
Psychology: Program Evaluation Methods (PSY433)	Murdoch: S1-internal	4
Psychology: Program Evaluation Methods (PSY633)	Murdoch: S1-internal	4
Psychology: Psychological Research Placement (PSY380)	Not available 2011	4
Psychology: Research Topics in Psychology (PSY250)	Murdoch: S2-internal	4
Psychology: Safety, Errors and Accidents (PSY357)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: Self and Society (PSY218)	Murdoch: S1-internal	4
Psychology: Sensory Abilities and Disabilities (PSY358)	Murdoch: S2-internal	4
Psychology: Social Bases of Behaviour (PSY248)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychology: The Developing Mind (PSY249)	Murdoch: S2-internal	4
Psychology: Work and Organisations (PSY217)	Murdoch: S1-internal KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal	4
Psychotherapy in Practice (PSY569)	Murdoch: Y-internal	3
Special Topics in Applied Psychology (PSY508)	Topic not currently offered	3
Special Topics in Psychology (PSY252)	Topic not currently offered	4
Work and Well-being (PSY512)	Murdoch: S2-internal	3
Work and Well-being (PSY612)	Murdoch: S2-internal	4

<b>Social Sciences and Humanities</b>		<b>Points</b>
Advanced Research Methods in Social Sciences and Humanities (SSH404)	Murdoch: S1-internal, S1-external	4
Advanced Research Methods in Social Sciences and Humanities (SSH604)	Murdoch: S1-internal, S1-external	4
Ethnic Diversity and Ethnic Conflict (SSH229)	Murdoch: S2-internal, S2-external	4
Ethnic Diversity and Ethnic Conflict (SSH629)	Murdoch: S2-internal, S2-external	4
Ideas in Action (SSH100)	Murdoch: S2-internal, S2-external	3
Parliamentary and Public Sector Internship (SSH322)	Murdoch: S2-internal	8
Parliamentary and Public Sector Internship (SSH522)	Murdoch: S2-internal	8
Special Topics in Development Studies: Working in Aid and Development (SSH301)	Murdoch: W3-internal	4

Special Topics in Development Studies: Working in Aid and Development (SSH601)	Murdoch: W3-internal	4
Special Topics in History: The Georgian House in Second Life (SSH203)	Murdoch: S1-internal (quota of 30 places)	4

## Sociology

## Points

Australian Youth Culture (SOC230)	Murdoch: S2-internal, S2-external	4
Australian Youth Culture (SOC530)	Murdoch: S2-internal, S2-external	4
Big Ideas for a Better Society (SOC204)	Not available 2011	4
Health and Society (SOC213)	Murdoch: S1-internal, S1-external	4
Introduction to Sociology (SOC134)	Murdoch: S1-internal, S1-external	3
Islam, Terror and Multiculturalism in Australia (SOC212)	Not available 2011	4
Power, Security and Modern Life (SOC296)	Murdoch: S1-internal, S1-external	4
Social Research Methods (SOC222)	Murdoch: S1-internal, S1-external	4
Social Research Methods (SOC522)	Murdoch: S1-internal, S1-external	4
Sociology and Everyday Life (SOC105)	Murdoch: S2-internal, S2-external	3
Sociology of Law (SOC262)	Murdoch: S1-internal, S1-external	4
Sociology of Work (SOC256)	Not available 2011	4
Sociology of Work (SOC556)	Not available 2011	4
Special Topics in Sociology (SOC272)	Topic not currently offered	4

## Sustainability and Technology Policy

## Points

Approaches to Sustainable Development (STP109)	Murdoch: S2-internal, S2-external DUBAI-ISC: N1-internal	3
Cities and Innovation (STP330)	Murdoch: S2-internal, S2-external	4
Cities and Innovation (STP630)	Murdoch: S2-internal, S2-external	4
Cities and Sustainability (STP220)	Murdoch: S1-internal, S1-external	4
Cities and Sustainability (STP623)	Murdoch: S1-internal, S1-external	4
Climate Change Adaptation: Policy and Practice (STP380)	Murdoch: S2-internal, S2-external	4
Climate Change Adaptation: Policy and Practice (STP680)	Murdoch: S2-internal, S2-external	4
Disasters and Risk Management (STP333)	Murdoch: UA2-internal	4
Disasters and Risk Management (STP633)	Murdoch: UA2-internal	4
Economics for Sustainability (STP205)	Murdoch: W3-internal, W3-external	4
Economics for Sustainability (STP605)	Murdoch: W3-internal, W3-external	4
Honours and Masters Research Seminar (STP418)	Murdoch: S1-internal, S1-external	4
Honours and Masters Research Seminar (STP618)	Murdoch: S1-internal, S1-external	4
Introduction to Climate Change Studies (STP110)	Murdoch: S2-internal, S2-external	3
Introduction to Sustainable Development (STP108)	Murdoch: S1-internal, S1-external, S2-internal, S2-external DUBAI-ISC: N1-internal	3
Master of Arts by Coursework Dissertation (STP650)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Master of Arts by Coursework Project (STP620)	Not available 2011	4
Master of Arts by Coursework Project (STP6201)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Overseas Aid and International Development (STP204)	Murdoch: S1-internal, S1-external	4
Overseas Aid and International Development (STP604)	Murdoch: S1-internal, S1-external	4
Policy, Technology and Democracy (STP370)	Murdoch: S2-internal, S2-external	4
Policy, Technology and Democracy (STP670)	Murdoch: S2-internal, S2-external	4
Professional Planning Placement (STP415)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external	8
Resilient Regions: People and Practice (STP311)	Murdoch: SB6-internal (quota of 40 places)	4
Resilient Regions: People and Practice (STP611)	Murdoch: SB6-internal (quota of 40 places)	4
Special Topics in Sustainable Development (STP640)	Topic not currently offered	4
Special Topics in Sustainable Development: The Future in a Time of Crisis (STP240)	Topic not currently offered	4

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Sustainability and Social Justice: The Non Profit Sector (STP303)	Murdoch: S2-internal, S2-external	4
Sustainability and Social Justice: The Non Profit Sector (STP603)	Murdoch: S2-internal, S2-external	4
Sustainability Ethics (STP206)	Murdoch: S2-internal, S2-external	4
Sustainability Ethics (STP606)	Murdoch: S2-internal, S2-external	4
Sustainability, Ecology and Communities (STP212)	Murdoch: S1-internal, S1-external	4
Sustainability, Ecology and Communities (STP612)	Murdoch: S1-internal, S1-external	4
Sustainable Business Development Project (STP399)	Not available 2011	4
Sustainable Development Internship/Project (STP332)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	8
Sustainable Development Internship/Project (STP3321)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	4
Sustainable Development Internship/Project (STP632)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	8
Sustainable Development Internship/Project (STP6321)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external	4
Sustainable Urban Design (STP245)	Not available 2011	4
Sustainable Urban Design (STP645)	Not available 2011	4

### Teaching and Learning Centre

### Points

From University to Workplace (TLC277)	Murdoch: S2-internal	4
Introduction to University Learning (TLC020)	Murdoch: S1B-internal, S2K-internal Rockingham: S1B-internal, S2K-internal	3
Introduction to University Learning (TLC120)	Murdoch: S1B-internal, S2K-internal, S2K-external, W2-internal, W2-external Rockingham: S1B-internal, S2K-internal	3
Learning and Communicating in Business (TLC222)	Murdoch: S1-internal Rockingham: S1-external	4
Rocket Science: Academic Skills for Science Students (TLC023)	Murdoch: S1B-internal, S2K-internal	3
Rocket Science: Academic Skills for Science Students (TLC123)	Murdoch: S1B-internal, S2K-internal Peel: S1B-internal	3

### Theology

### Points

Advanced New Testament Exegesis (THE477)	Murdoch: S2-internal, S2-external	4
Advanced New Testament Exegesis (THE577)	Murdoch: S2-internal, S2-external	4
Advanced Old Testament Exegesis (THE498)	Murdoch: S2-internal, S2-external	4
Advanced Old Testament Exegesis (THE598)	Murdoch: S2-internal, S2-external	4
Australian Church History (THE497)	Not available 2011	4
Australian Church History (THE597)	Not available 2011	4
Biblical Hebrew I (THE101)	Murdoch: S1-internal, S1-external	3
Biblical Hebrew II (THE201)	Murdoch: S2-internal, S2-external	4
Christian Ethics (THE267)	Murdoch: S2-internal, S2-external	4
Christianity in Asia (THE489)	Murdoch: S2-internal, S2-external	4
Christianity in Asia (THE589)	Murdoch: S1-internal, S2-external	4
Christology (THE258)	Murdoch: S2-internal, S2-external	4
Church, Ministry and Sacraments (THE263)	Not available 2011	4
Education in a Faith Community (THE276)	Not available 2011	4
Health and Religion (THE283)	Not available 2011	4
Health and Religion (THE483)	Not available 2011	4
Hermeneutics (THE281)	Murdoch: S1-internal, S1-external	4
Hermeneutics (THE481)	Murdoch: S1-internal, S1-external	4
History of the Christian Church I: Early to Medieval (THE285)	Not available 2011	4
History of the Church II: Reformation to Modern (THE286)	Murdoch: S1-internal, S1-external	4

Homiletics (THE491)	Murdoch: S1-internal	4
Homiletics (THE591)	Murdoch: S2-internal	4
Jesus and the Gospels (THE287)	Murdoch: S1-internal, S1-external	4
Life and Literature of Ancient Israel (THE100)	Murdoch: S1-internal, S1-external	3
Master of Ministry Project (THE583)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Master of Ministry Project (THE5831)	Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
New Testament and its World (THE102)	Murdoch: S2-internal, S2-external	3
New Testament Greek I (THE103)	Murdoch: S1-internal, S1-external	3
New Testament Greek II (THE203)	Murdoch: S2-internal, S2-external	4
Old Testament Exegesis (THE284)	Murdoch: S1-internal, S1-external	4
Pastoral Care (THE245)	Not available 2011	4
Pastoral Practicum I (THE237)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Pastoral Practicum II (THE437)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Pastoral Practicum III (THE585)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Paul and Early Christian Writings (THE240)	Not available 2011	4
Science and Religion (THE280)	Murdoch: S2-internal, S2-external	4
Science and Religion (THE480)	Murdoch: S2-internal, S2-external	4
Special Topics in Theology (THE473)	Topic not currently offered	4
Special Topics in Theology: Life and Death in the Ancient World (THE274)	Murdoch: S1-internal, S1-external	4
Special Topics in Theology: Understanding Judaism (THE204)	Murdoch: S1-internal, S1-external	4
Spirituality Studies (THE438)	Murdoch: S1-internal, S1-external	4
Spirituality Studies (THE538)	Murdoch: S1-internal, S1-external	4
Systematic Theology Seminar (THE490)	Not available 2011	4
Systematic Theology Seminar (THE590)	Murdoch: S1-internal	4
Teaching Religion in Schools (THE246)	Murdoch: S2-internal, S2-external	4
Teaching Religion in Schools (THE2461)	Murdoch: S2-internal, S2-external	2
Thinking Theology (THE107)	Murdoch: S1-internal, S1-external	3
Triune God (THE429)	Not available 2011	4
World Religions (THE282)	Murdoch: S2-internal, S2-external	4
World Religions (THE482)	Murdoch: S1-internal, S1-external	4
Worship and Liturgy (THE288)	Not available 2011	4

## Tourism

## Points

Cultural Tourism Interpretation (TOU210)	Murdoch: S2-internal, S2-external	4
Cultural Tourism Interpretation (TOU510)	Murdoch: S2-internal, S2-external	4
Festivals and Events (TOU212)	Murdoch: S1-internal, S1-external Rockingham: S1-internal, S1-external	4
Indigenous Tourism Issues (TOU211)	Not available 2011	4
Indigenous Tourism Issues (TOU511)	Not available 2011	4
Introduction to Tourism Systems (TOU101)	Murdoch: S1-internal, S1-external	3
Introduction to Travel and Tourism (TOU102)	Murdoch: S2-internal, S2-external	3
Special Topics in Tourism (TOU228)	Topic not currently offered	4
Sustainable Tourism (TOU201)	Murdoch: S1-internal, S1-external KAPLAN-SGP: T2A-internal SGP1: T2B-internal	4
Sustainable Tourism (TOU501)	Murdoch: S1-internal, S1-external	4
Tourism Management (TOU303)	Murdoch: S2-internal KAPLAN-SGP: T1A-internal, T3A-internal SGP1: T1B-internal, T3B-internal	4
Tourism Management (TOU603)	Murdoch: S2-internal	4
Tourism Policy and Planning (TOU301)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Tourism Policy and Planning (TOU601)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Tourism Project (TOU302)	Murdoch: S2-internal, S2-external	4
Tourism Project (TOU602)	Murdoch: S2-internal, S2-external	4

## University Access

## Points

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Extension to Veterinary Biology 1 (EQU031)	Murdoch: S1-internal
Extension to Veterinary Biology 2 (EQU032)	Murdoch: S2-internal
Extension to Veterinary Biology 3 (EQU033)	Murdoch: S1-internal
Extension to Veterinary Biology 4 (EQU034)	Murdoch: S2-internal
Extension to Veterinary Biology 5 (EQU035)	Murdoch: S1-internal
Integrated Clinical Studies 1 (EQU041)	Murdoch: S1-internal
Integrated Clinical Studies 2 (EQU042)	Murdoch: S2-internal
Integrated Clinical Studies 3 (EQU043)	Murdoch: S1-internal
Integrated Clinical Studies 4 (EQU044)	Murdoch: S2-internal
Introduction to Clinical Studies (EQU036)	Murdoch: S2-internal
Koora Kudidj Pre-Law (EQU025)	Murdoch: SB3-internal
Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students (EQU028)	Not available 2011
Kulbardi Wangkiny Pre-Media (EQU026)	Murdoch: SB3-internal
OnTrack (EQU060)	Murdoch: S1-internal, S2-internal Peel: S2-internal Rockingham: S1-internal
Orientation Chemistry 1 (EQU011)	Murdoch: S1-internal
Orientation Chemistry 2 (EQU012)	Murdoch: S2-internal
Transition to Veterinary Studies 1 (EQU021)	Murdoch: S1-internal
Transition to Veterinary Studies 2 (EQU022)	Murdoch: S2-internal
Transition to Veterinary Studies 3 (EQU023)	Murdoch: S1-internal
Transition to Veterinary Studies 4 (EQU024)	Murdoch: S2-internal

## Veterinary Science

## Points

Anaesthesia and Critical Care (VET627)	Murdoch: S1-external	4
Anaesthesia, Emergency and Critical Care (VET456)	Murdoch: S2-internal	3
Animal Systems I (VET242)	Murdoch: S2-internal	3
Animal Systems II (VET342)	Murdoch: S1-internal	3
Animal Systems III (VET442)	Murdoch: S1-internal	3
Applied Veterinary Medicine II (VET501)	Murdoch: S1G-internal, S2H-internal	12
Avian, Exotic Pet and Wildlife Practice (VET453)	Murdoch: S1-internal	2
Case Reports (VET622)	Murdoch: S1-external, S2-external	4
Cattle and Camelid Medicine, Production and Surgery (VET455)	Murdoch: S2-internal	3
Clinical Pathology (VET6210)	Murdoch: S2-external (quota of 10 places)	4
Conservation Medicine (VET630)	Murdoch: S1-internal, S2-internal, S2-external	4
Conservation Medicine Field Placement/Project (VET639)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	4
Conservation Medicine Field Placement/Project (VET6391)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	8
Dermatology (VET628)	Not available 2011	4
Diagnosis (VET688)	Murdoch: S1-external	4
Diagnostic Imaging (VET6200)	Not available 2011	4
Equine Practice (VET454)	Murdoch: Y-internal	4
General Small Animal Practice (VET461)	Murdoch: S2-internal	3
Infectious and Emerging Diseases (VET640)	Murdoch: S2-internal, S2-external	4
Infectious and Parasitic Diseases (VET629)	Murdoch: S2-external	4
Intensive Industries Medicine and Production (VET451)	Murdoch: S2-internal	2
Marine Mammal Health and Conservation Project (VET665)	Murdoch: S2-internal, S2-external	4
Medicine 1 (VET625)	Murdoch: S1-external	4
Medicine 2 (VET626)	Murdoch: S2-external	4
Practical Applications of Epidemiology (VET642)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Principles of Epidemiology (VET641)	Murdoch: S1-internal, S1-external, S2-internal, S2-external	4
Processes in Animal Disease (VET340)	Murdoch: S1-internal	4
Reproduction and Obstetrics (VET463)	Murdoch: Y-internal	3
Research Methods in Clinical Veterinary Studies (VET766)	Murdoch: S1-internal	4
Small Animal Medicine (VET452)	Murdoch: S2-internal	4

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Small Animal Surgery (VET457)	Murdoch: Y-internal	3
Small Ruminant Medicine and Production (VET419)	Murdoch: S2-internal	2
Surgery 1 (VET623)	Not available 2011	4
Surgery 2 (VET624)	Murdoch: S2-external	4
Surgical Principles (VET689)	Murdoch: S2-external	4
Surgical Secrets (VET459)	Murdoch: S2-internal	3
Surveillance Research Project (VET649)	Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external	12
Veterinary Anatomy I (VET240)	Murdoch: S1-internal	4
Veterinary Anatomy II (VET212)	Murdoch: S2-internal	4
Veterinary Biochemistry (VET241)	Murdoch: S1-internal	4
Veterinary Diagnostic Imaging (VET462)	Murdoch: S2-internal	3
Veterinary Diagnostic Pathology (VET343)	Murdoch: S1-internal	4
Veterinary Immunology and Molecular Genetics (VET347)	Murdoch: S2-internal	4
Veterinary Microbiology (VET341)	Murdoch: S2-internal	4
Veterinary Nutrition and Animal Toxicology (VET346)	Murdoch: S1-internal	4
Veterinary Parasitology (VET344)	Murdoch: S2-internal	4
Veterinary Pharmacology (VET345)	Murdoch: S1-internal	4
Veterinary Physiology I (VET244)	Murdoch: S1-internal	4
Veterinary Physiology II (VET243)	Murdoch: S2-internal	4
Veterinary Professional Life I (VET209)	Murdoch: S1-internal	1
Veterinary Professional Life II (VET348)	Murdoch: S1-internal	1
Veterinary Professional Life III (VET429)	Murdoch: S1-internal	1
Veterinary Professional Life IV (VET558)	Murdoch: S1-internal	1
Wildlife Comparative Pathology Project (VET664)	Murdoch: S2-internal, S2-external	4
Wildlife Medicine (VET631)	Murdoch: S1-internal, S1-external	4

### Workplace Learning

### Points

Structured Workplace Learning Placement -- Information Technology (WKP356)	Murdoch: S1-internal, S2-internal	12
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Students who have successfully completed a unit may not enrol for credit in any subsequent version of that unit, even if under a different code and/or title, nor in any parallel lower- or higher-level version. Students enrolled in a higher-level version of a unit are required to demonstrate advanced analytical skills and/or use of advanced research tools in assignments modified for that level.

# Units

## 3D Animation (MCC265)

Credit Points: 4

Murdoch: S2-internal

This unit focuses on the skills and theory required for 3D animation. A range of animation techniques will be explored with an eye towards commercial applications such as games and films. Students will develop an understanding of the core concepts of 3D animation techniques along with body mechanics thus creating physical movements that are believable. The units also draws on theory from related disciplines, including theatrical acting, traditional animation principles and new media theory.

Lectures: 1 hour; laboratories: 3 hours per week.

Prerequisites: MCC164 3D Modelling or MCC242 3D Modelling and Design or ICT101 Introduction to 3D Graphics and Animation.

## 3D Animation (MCC665)

As for MCC265 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in a postgraduate course.

## 3D Modelling (MCC164)

Credit Points: 3

Murdoch: S1-internal

This unit focuses on developing practical and conceptual skills in 3D modelling. Students are introduced to industry-standard tools and learn techniques in modelling, texturing and mapping. Students experience a variety of modelling challenges, including characters, props and environments, and learn each step of creative development, from planning to polishing. These skills are contextualised in relation to contemporary theories of spatial design, character development, and game design from varied arts fields, such as architecture, theatre and photography.

Lectures: 1 hour; laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: MCC242 3D Modelling and Design.

This unit will replace ICT101 in Part I for both Games Art and Design and Interactive Digital Design.

## Aboriginal Perspectives Across the Curriculum (EDN263; was EDU263)

Credit Points: 4

Murdoch: S1-internal

Aboriginal Studies is the study of Indigenous Australian history, societies and cultures, both as a subject in its own right and integrated into the key learning areas. It is not an area of study designed just for Indigenous students, but something that is of benefit to all Australians. Students will develop an informed position on what it means to teach Aboriginal Studies, gain an understanding of the protocols involved and increase their ability to competently program for Aboriginal Studies.

Seminars/workshops: 4 hours per week over 8 weeks.

Prerequisites: Nil.

Exclusions: EDU211 Aboriginal Studies Across the Curriculum.

## Aboriginal Perspectives Across the Curriculum (EDU663)

As for EDN263 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in Education Postgraduate or Masters degree.

## Accounting for Managers (MBS513)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD1-internal

KAPLAN-SGP: T1A-internal, T3A-internal

SGP1: T3R-internal

Provides the basic understanding of accounting required in other postgraduate units and in management practice in the world of business. The coverage is comprehensive and user-oriented, with emphasis placed on the accounting information needs of managers. This unit provides a practical understanding of how to analyse some of the information that can be obtained from the accounting system to assist in management decision-making. It will also provide students with an understanding of how external financial statements are prepared.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Students in C1083 Postgraduate Certificate in Business Administration (Masterclass) will be enrolled in MBS5132 Accounting for Managers.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot enrol in both MBS5132 Accounting for Managers and MBS513 Accounting for Managers for credit.

## Accounting for Managers (MBS5132)

As for MBS513 except:

Credit Points: 4

Murdoch: SUM1-internal

Taught intensively during the Summer term.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass).

Exclusions: Students cannot enrol in both MBS5132 Accounting for Managers and MBS513 Accounting for Managers for credit.

## Accounting Processes (MBS653)

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit introduces students to the technical aspects of the accounting processes involved in the recording of financial transactions and the production of relevant financial statements required by international and Australian accounting standards. Students will be required to learn and use the accounting software package QuickBooks. The learning topics will be linked back to the QuickBooks package and by the end of the unit students will be able to effectively analyse and record accounting transactions and produce relevant financial statements.

Lectures/seminars: 3 hours per week.

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Prerequisites: Enrolment in the Master of Professional Accounting and MBS513 Accounting for Managers.

### Accounting Theory and Accountability (BUS310)

Credit Points: 4

Murdoch: S2-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

Develops higher-level analytical and thinking skills through extensive use of case studies. Contemporary accounting issues are explored in depth. Topics include communication, accounting theories, triple bottom line, measurement systems and the importance of understanding user needs and company impediments to financial reporting. The unit emphasises the acquisition of fundamental problem solving and communication skills and the link of governance, financial reporting and accountability to the fast changing corporate business environment. Corporate governance, ethics and innovation issues are also explored.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS256 Contemporary Financial Accounting.

### Accounting Theory and Governance (MBS633)

Credit Points: 4

Murdoch: S2-internal

The focus of this capstone accounting unit are the theories that frame contemporary accounting issues, accounting standards and accounting concepts. Topics include governance and ethics; social responsibilities, accountability, triple bottom line, the significance of understanding user needs and the impediments to financial reporting.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS513 Accounting for Managers.

### Acquisition of Human Resources (MBS511)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD2-internal

KAPLAN-SGP: T3A-internal

This unit provides an understanding of the linkage between an organisation's vision, values, strategic planning and human resource management practices relating to recruitment and selection. It outlines HR systems that can be used to bring an organisation's operations into line with its vision. Techniques relating to planning, recruitment, selection and decision making will be explored and applied.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Acquisition of Skills and Motor Control (CHI222)

Credit Points: 4

Murdoch: S1-internal

This unit will cover principles relating to motor skill classification and measurement, the expert performance model and factors that limit expert motor skill performance, as well as instruction and practice principles that can be used to facilitate motor skill learning. An introduction to motor control theories will also be covered. The content has direct application to professions such as exercise physiology, sport science, chiropractic, sports coaching, physical education teaching and allied health.

Lectures: 4 hours per week; laboratories: 4 hours per fortnight.

Prerequisites: Nil.

### Acting and Production I (EGL226)

Credit Points: 4

Murdoch: S1-internal

This unit provides students with practical experience in basic theatrical acting and production. Skills students may choose to learn include the following: acting (movement, characterisation and voice), stage and production management, lighting, sound, costume design, publicity, set design and construction. These skills are tested in front of an audience in one or more theatrical productions. This unit is a prerequisite for EGL329/EGL529 Acting and Production II.

Lectures: 1 hour; workshops: 2 hours per week; rehearsals: as required.

Prerequisites: Nil.

### Acting and Production I (EGL526)

As for EGL226 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Acting and Production II (EGL329)

Credit Points: 4

Murdoch: S2-internal

This unit builds on EGL226/EGL526 Acting and Production I to provide students with the opportunity to further develop their acting and production skills and creativity in a more substantial and challenging production with a more commercial focus. Productions in this unit also seek to provide students with opportunities for more advanced and experimental forms of theatrical work.

Workshops: 3 hours per week; rehearsals: as required.

Prerequisites: EGL226/EGL526 Acting and Production I, OR both of EGL212 Acting and EGL294 Production, OR entry by audition.

### Acting and Production II (EGL529)

As for EGL329 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Admiralty Law (LAW355)

Credit Points: 4

Murdoch: S2-internal

Admiralty law is a unique and truly international type of commercial law. This unit deals with the liability of ships in admiralty. It will cover a range of types of liability such as salvage, collisions, liability to passengers, towage and marine pollution. It will also deal with enforcement of admiralty claims, including maritime liens, admiralty procedures such as the arrest of vessels, and a ship's right to limit liability.

Lectures: 3 hours per week.

Prerequisites: L120/LAW120/LEG120 Research and Writing, L150/LAW150/LEG150 Australian Legal System, L130/LAW130 Criminal Law and Procedure, L152/LAW152 Torts, L260/LAW260 Contract.

**Adolescent Health and Development (EDN445)**

Credit Points: 2

Not available 2011

This unit is preparation for the final Professional Internship. It provides an introduction to adolescent health and development and shows how by understanding the interplay of emotional, social and physical development during adolescence teachers can enhance students' learning. The unit includes a school-based component.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary) (Graduate) course. Students will be required to have successfully completed all the required units.

**Adult Learning in Education and Work (EDU445)**

Credit Points: 4

Murdoch: S2-external

This unit examines recent psychological theories and research related to adult learning in academic, vocational and community learning settings, including professional development and workplace learning. By the end of this unit, participants should have developed a sound understanding of the multidimensional, interactive, dynamic and socioculturally situated nature of adult learning. They should be well prepared for designing learning environments which facilitate the development of meaningful knowledge and its application across various settings.

*External:* No attendance required. Some on-campus meetings will usually be available.

*Prerequisites:* Nil.*Co-requisite:* Internet access if studying externally.

*Exclusions:* Those who have successfully completed E446 Adult Learning in Education and Work may not enrol in this unit for credit.

**Adult Learning in Education and Work (EDU645)***As for EDU445 except:*

Credit Points: 4

Murdoch: S2-external

*Prerequisites:* Enrolment in a postgraduate qualification or permission of the Unit Coordinator.

*Co-requisite:* Internet access if studying externally.**Advanced Business Analysis and Design (ICT353; was ICT232)**

Credit Points: 4

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T1A-internal, T3A-internal

This unit extends the material learnt in ICT231 Systems Analysis and Design with an emphasis on business process modelling. The concepts of business process modelling will be examined and the tools that can be used to analyse, model, and design business processes introduced. Agile system development methodologies will be contrasted with more formal approaches and the unified process life cycle model examined. Package evaluation and selection, and global distributed development processes will also be covered.

*Workshops:* 3 hours per week.*Prerequisites:* ICT231 Systems Analysis and Design.*Co-requisite:* Internet access if studying externally.**Advanced Business Analysis and Design (ICT532)***As for ICT353 except:*

Credit Points: 4

Murdoch: S2-internal, S2-external

*Prerequisites:* Enrolment in a honours or postgraduate level course.  
*Co-requisite:* Internet access if studying externally.

**Advanced Business Data Communications (ICT535)**

Credit Points: 4

Murdoch: S2-internal

This unit includes the second part of the Cisco CCNA Certification curriculum, commenced in ICT546. Students extend their study of LAN architectures and examine LAN security with the use of 'firewalls'. Frame relay and ISDN architectures are used to study Wide Area Networks (WAN); and extensive practical exercises are used to reinforce the understanding of these technologies. Voice Over IP (VOIP) will be examined with regards to data networks. A major design case study incorporating LAN and WAN is completed.

*Lectures:* 2 hours; *tutorials:* 2 hours.

*Prerequisites:* C546/ICT546 Local Area Network Design and Implementation and enrolment in a postgraduate IT course.

**Advanced Business Research Methods Seminar (MBS620)**

Credit Points: 4

Murdoch: S1-internal

This unit covers a broad range of contemporary research methods in business-related disciplines. Topics covered will include the formulation of research objectives, locating information, data analysis, critical literature reviews, referencing styles, and the presentation of research results. The unit structure will be seminar-based with students participating in library and computer laboratory sessions, case study analysis and in class presentations of research papers.

*Lectures/seminars/workshops:* 3 hours per week.*Prerequisites:* Enrolment in a postgraduate course.*Co-requisite:* Internet access if studying externally.**Advanced Clinical Legal Education (LAW385)**

Credit Points: 4

Murdoch: DE2-internal (quota of 20 places), SPA1-internal (quota of 20 places), UW3-internal (quota of 20 places)

Participate in a clinical program, focusing in a particular area of legal practice such as immigration law, family law, children's rights or housing rights. Work in the legal practice based at a Rockingham community legal centre or at the clinic offices at the Murdoch School of Law. Assist real clients and take responsibility for actual client files. Develop practical, legal and interpersonal skills and critically reflect upon law and the legal system within a broader social context.

*Four seminars of 2 hours' duration; 1 full day per week attendance at the Law Clinic.*

*Also offered in intensive mode over two weeks in summer and winter.*

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites:* L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L130/LAW130 Criminal Law and Procedure, L152/LAW152 Torts.

*Exclusions:* Students who have completed L300/LAW300 Special Topic: Advanced Clinical Legal Education may not enrol in this unit for credit.

*This unit is subject to quota. Quota is due to limited resources. Selection*

is based on academic achievement in LAW390 Clinical Legal Education.

### Advanced Control Design (ENG512)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit provides a strong foundation in a number of advanced control topics under the general areas of non-linear and optimal control leading to design of control systems. Application of these controllers into industrial plants is also studied.

Lectures and meetings: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME or permission of the Engineering Academic Chair.

### Advanced Control Systems (ENG616)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit considers the implementation of a series of industrial advanced control systems through the use of complex case studies and the Murdoch University engineering pilot plant. Students will also analyse the implemented control systems based on several performance measures.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

### Advanced Control Systems Design (ENG525)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit represents a culmination of the material under the broad category of control systems design. In particular, it is designed to consolidate all of the aspects associated with the specification, design, synthesis and simulation of a significant control system. It is designed to prepare the student for a control systems-oriented Master of Engineering Project.

Meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### Advanced Criminal Law (LAW333)

Credit Points: 4

Murdoch: S1-internal

This unit builds upon Criminal Law and Procedure, exploring issues relating to the criminal justice system from investigation to punishment and areas regarded as in need of reform. Major focal points will be a critical analysis of policy issues underlying the formulation and implementation of criminal law, and the treatment of certain groups by the criminal justice system, such as Indigenous people, women and young people. This unit aims to foster a critical approach to contemporary issues in Criminal Law.

Lectures: 3 hours per week.

Prerequisites: All Part I units plus LAW260 Contract and LAW252 Evidence.

### Advanced Educational Research Seminar (EDU701)

Credit Points: 8

Murdoch: Y-internal

This unit explores broad issues that are common to all forms of educational research. The unit has two main objectives: to help participants place their research study into a larger intellectual context, and to help participants develop a research network and program.

Face-to-face sessions: 12 x 3-hours (six sessions in S1 and six sessions in S2).

Prerequisites: Enrolment in EdD.

Exclusions: Those who have successfully completed E601 Advanced Educational Research Methods or E601 Paradigms of Social and Educational Research may not enrol in this unit for credit.

### Advanced Electronic Control of Power Systems (ENG558)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit discusses advanced methods and electronic equipment available to the utilities for the effective management and operation of the network.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### Advanced Energy Policy: Electricity Market Reform (PEC627; was PEC527)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit looks at the design and operation of the modern restructured electricity industry, considering engineering, economic, environmental, regulatory and policy perspectives. The objective of the unit is to provide knowledge and skills for economists, engineers, lawyers, policy analysts and regulators who work in or with the electricity industry. It discusses theory and practice, using the Australian experience as the primary case study but also referring to the European and North American experiences.

Commences with preliminary readings required for an intensive three-day lecture session and assessments; examination will occur in the assessment period.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: PEC491/PEC591 Energy Policy.

Co-requisite: Internet access if studying externally.

### Advanced Games Design and Programming (ICT311)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit extends the material studied in ICT207 Games Design and Programming with an emphasis on the construction of efficient and re-usable games software. It provides an advanced and in-depth coverage of theory, algorithms and software engineering techniques underlying various game engine components. Topics include software design patterns, 3D character animation, intelligent character simulation, scripting, collision detection, and simulation and manipulation of 3D terrains. Further topics may include issues with Internet-based multi-player online games.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT207 Games Design and Programming.

Co-requisite: Internet access if studying externally.

### Advanced Human Resource Perspectives (BUS320)

Credit Points: 4

Murdoch: S1-internal, SB4-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S1K-internal



**SGP1: T2B-internal**

This unit focuses on managing human resources at a strategic level, in order to meet organisational goals pertaining to sustainability and competitive advantage. It aims to give students an understanding of how effective implementation of human resource management practice offers benefits to both the organisation and the individual. Students will undertake a number of projects that will be analysed and critiqued within best practice HR frameworks.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management and either BUS240 Organisation Management and Development or BUS240 Organisational Development and Human Resources Management.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

**Advanced Information Technology Research Project (ICT708)**

Credit Points: 12

Murdoch: S1-internal, S2-internal

The purpose of this unit is to provide students with the skills, knowledge and experience to conduct research in computer science and/or information systems. The unit provides students with the opportunity to gain research experience and training by undertaking a substantial research project of their choice. The research undertaken in this unit will provide the foundation study for the subsequent thesis unit ICT702.

Seminars/supervisor meetings: 1 hour per week average.

Prerequisites: Enrolment in the Doctor of Information Technology.

**Advanced IT Study Project (ICT617)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

The purpose of this unit is for students to study an advanced topic of current interest within the information technology community that is of personal interest to the student but not available as a formal unit. Students will be in regular contact with their academic supervisor and submit reports for assessment.

Supervisor meetings: 1 hour per week average.

Prerequisites: Enrolment in a postgraduate IT course.

Co-requisite: Internet access if studying externally.

**Advanced Media Projects (MCC538; was MED438)**

Credit Points: 12

Murdoch: S1-internal, S2-internal, Y-internal

This advanced production unit focuses on production projects such as scripts, films and video, online radio, documentary, oral histories, drama, feature and investigative reporting. The unit helps to sharpen skills in story selection and development, research, scriptwriting, and packaging. Students use a range of media recording, mixing and editing techniques. Under tutor guidance collaborative work is also accepted.

Under supervision.

Prerequisites: Appropriate preparation for such advanced individual production. Permission of Unit Coordinator.

**Advanced Mental Health Nursing (NUR614)**

Credit Points: 4

Murdoch: S1-external, S2-external

Critically examines mental health theory appropriate to selected areas of mental health clinical specialty. Coursework will be set in the area of mental health clinical specialty with core components of

counselling, advanced assessment skills and advanced risk assessment/management skills. Facilitates students' critical examination of contemporary and past mental health nursing practice with a view to determining best practice.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

**Advanced Mineral Processing (EXM302)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit covers advanced design criteria of mineral processing, hydrometallurgical and pyrometallurgical flow sheets. Practical industrial processes are considered, and overall processes for the recovery of gold, copper, nickel, uranium and other commodities important to the Australian minerals industry are examined. The interplay between mineral economics and process design is considered.

Lectures: 3 hours per week; workshops/laboratories: up to 4 hours per week.

External: Internet access and compulsory 5-day on-campus laboratory/workshop sessions; field trip: 5 days, usually during a non-teaching period (students may be required to contribute towards expenses). Students with suitable work experience may be exempted from the field trip component. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy; M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra; EXM224 Principles of Unit Operations; OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

**Advanced Mineral Processing (EXM505)**

As for EXM302 except:

Credit Points: 3

Murdoch: S2-internal, S2-external

Lectures: 3 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

Exclusions: EXM302 Advanced Mineral Processing

**Advanced Network Design (ICT347)**

Credit Points: 4

Murdoch: S2-internal

This unit examines the advanced routing topics associated with the design and management of large-scale IP networks. The technologies covered are typically found in large corporate, government, telecommunication carrier and ISP networks. Topics include: Network design, verification plans, EIGRP, OSPF, IGP redistribution, policy-based routing and IP service-level agreement (IP SLA), BGP, IPv4 and IPv6 coexistence, and routing over branch Internet connections.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications.

**Advanced Network Design (ICT647; was ICT547)**

**As for ICT347 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: ICT535 Advanced Business Data Communications.

**Advanced New Testament Exegesis (THE477)**

Credit Points: 4

Murdoch: S2-internal, S2-external

A study of New Testament writings, their structure, themes and settings, with detailed exegesis including greater attention to the original Greek text and the option for assessment based on either the English or Greek text. Normally selected writings will be either Romans or from among the Gospels (2011: Paul's Letter to the Romans). This unit may be taken more than once, with different content.

Lectures/seminars/tutorials: 3 hours per week.

Prerequisites: One 200-level New Testament unit apart from S254/THE203 New Testament Greek II; for students choosing the Greek option, competence in Greek to the level of S254/THE203 New Testament Greek II.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed this unit or S424 Romans or S425 Gospel Traditions at 400-level may enrol in the parallel higher-level unit for credit and vice versa where the selected writings are different.

**Advanced New Testament Exegesis (THE577)****As for THE477 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Advanced Nursing Clinical Assessment Topic (NUR619)**

Credit Points: 4

Murdoch: S1-external, S2-external

Advanced practitioner skills required for nursing assessment and intervention. Students will negotiate for one or more specialties of their choice in order to practice and self-evaluate their advanced nursing skills. Compare and contrast theories in nursing treatment and management and determine how these are best facilitated by advanced nurses. Critically examine contemporary and past nursing practice with a view to applying best practice.

Negotiated supernumerary practica: 1 day per week; two block practica of 5 days each to a total of 36 days; scheduled clinical practice workshops and reflective tutorials: 2 hours per week.

Prerequisites: Nil. Corequisite: NUR640 Health Services Project.

Co-requisite: Internet access if studying externally.

**Advanced Old Testament Exegesis (THE498)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Study at greater depth major blocks of Old Testament material, enabling further skills development in exegetical approaches while examining literary, historical, sociological and theological features of blocks of material other than those previously studied. Greater use will be made of Biblical Hebrew, but ability to read Hebrew is not essential. Two assessment options will be available, one based on the English text and the other primarily using Hebrew. This unit may be taken more than once, with different content.

Lectures/seminars/tutorials: 3 hours per week.

Prerequisites: One 200-level Old Testament unit apart from S237/THE201 Biblical Hebrew II. For students choosing the Hebrew option, competence in Hebrew to the level of S237/THE201 Biblical Hebrew II.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed this unit or S420 Historical Literature of Israel or S421 Prophetic Literature of Israel may enrol in the parallel higher-level unit for credit and vice versa where the selected writings are different.

**Advanced Old Testament Exegesis (THE598)****As for THE498 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Advanced Process Engineering (ENG303)**

Credit Points: 4

Murdoch: S1-internal

This unit provides the necessary preparation to apply engineering concepts to the operation of a process plant. Students will gain an understanding of a number of process equipment, and fundamentals of process operations including mass transfer, heat transfer, chemical reaction and fluid dynamics. Teamwork and the use of technology tools to enhance process analysis capabilities are emphasised throughout this unit.

Lectures and workshops: 4 hours per week.

Prerequisites: ENG241 Principles of Process Engineering OR ENG172 Introduction to Process Analysis OR EXM224 Principles of Unit Operations.

**Advanced Process Engineering (ENG503)****As for ENG303 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Advanced Process Modelling and Simulation (ENG563; was ENG439)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit is designed to build upon previous studies in process modelling and simulation, by studying a range of advanced concepts, techniques and using computer based simulation tools. Typical examples are chosen from the process and mining industries. The material in this unit is studied using project-oriented approach.

Meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering.

**Advanced Projects in Chemistry (PEC306; was PEC206)**

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, Y-internal

Most laboratories undertaken as an undergraduate student are limited to a single four hour session. However, chemical investigations and research in the workplace are often conducted over days, or even months. Additionally, chemists may be required to search literature, develop new methods, and incorporate data

from bioassays/industrial processes into their work. This project unit allows students to undertake a semester long research study under the guidance of a member of the Chemistry staff, providing a valuable experience.

*Minimum of 72 hours laboratory work, organised individually in consultation with Supervisor.*

*Prerequisites: Students need to have completed a minimum of 28 points at Part II level. It would be expected that students will undertake this unit in their final university year. Students will be required to organise a suitable supervisor in the semester immediately prior to the one in which they wish to undertake the subject, and that supervisor must formally agree to the student's candidature. Students must complete the Safety in Science prior to undertaking this unit. The Safety in Science course is usually run in the week before semester begins but students are urged to communicate with their proposed supervisor on the precise timing. All projects must be approved by the Chemistry Academic Chair prior to the beginning of semester.*

*Not available for self enrolment. Permission of the Unit Coordinator is required to enrol in this unit.*

### **Advanced Research Methods in Social Sciences and Humanities (SSH404)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

The unit introduces students to the basic methodologies used in research in the Humanities and Social Sciences. It is designed for students undertaking an honours degree or a Research Masters for the first time. Students will spend half the unit looking at basic research topics across broad disciplines, such as constructing a thesis, referencing and bibliographies. The other half of the unit introduces students to some of the fundamental approaches used in the various disciplines of Social Sciences and Humanities.

*Lectures/seminars: total 3 hours per week.*

*Prerequisites: Enrolment in Honours.*

*Co-requisite: Internet access if studying externally.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Advanced Research Methods in Social Sciences and Humanities (SSH604)**

*As for SSH404 except:*

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*Prerequisites: Co-requisite: Internet access if studying externally.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Advanced Research Paper (LAW480)**

*Credit Points: 12*

*Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal*

This unit involves the completion of a major research project under the supervision of a member of staff. Students must participate actively in the supervision process and produce an essay of between 18,000 and 20,000 words on a legal topic nominated by him or her and approved by the Law Honours Subcommittee. The application to enrol in this unit is available from the School of Law office, or on the School web site.

*No formal contact hours but regular meetings with Supervisor.*

*Prerequisites: Obtain necessary Weighted Grade Point Average (WGPA) cut-off; permission of Supervisor and Law Honours Subcommittee.*

### **Advanced SCADA Systems (ENG617)**

*Credit Points: 4*

*Murdoch: S1-internal, S2-internal, SUM-internal*

This unit builds upon previous undergraduate and first year studies in signals and systems, by studying in further detail a wide range of methods of acquisitions, processing and analysis of signals. Additionally, a range of advanced concepts and issues are considered.

*Meetings/laboratories: by arrangement with the Unit Coordinator.*

*Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.*

### **Advanced Screen Production (MCC302; was MED302)**

*Credit Points: 4*

*Murdoch: S1-internal (quota of 60 places)*

*DUBAI-ISC: N2-internal*

This is a follow-on unit from MCC201 Professional Development in Screen Production and MCC353 Writing for the Screen. It provides students with opportunities for production in the available media of film or video. Programs of work can be designed to meet individual specialist needs. Students are encouraged to produce a portfolio of work for future career purposes.

*Lectures: 1 hour per week; workshops: 2 hours per week.*

*Note: Lectures and workshops/tutorials commence in Week 1 of the semester.*

*Prerequisites: MCC201 Professional Development in Screen and Sound Production (or MED301 Professional Development in Screen Production or MED301 Screen Projects).*

*Exclusions: Students who have successfully completed MED302 Advanced Screen and Sound Production may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.*

*This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity. Selection is based on grades achieved in prerequisites.*

### **Advanced Screen Production (MCC602; was MED502)**

*As for MCC302 except:*

*Credit Points: 4*

*Murdoch: S1-internal*

*Prerequisites: MCC501 Professional Development in Screen and Sound Production (or MCC401 Professional Development in Screen and Sound Production or MED501 Professional Development in Screen Production) AND enrolment in a postgraduate course.*

*Exclusions: Students who have successfully completed MED502 Advanced Screen and Sound Production may not enrol in this unit for credit.*

*This unit is not subject to quota.*

### **Advanced Skills and Motor Control (CHI330)**

*Credit Points: 2*

*Murdoch: S2-internal*

This unit continues from CHI222 Acquisition of Skills and Motor Control by covering topics including but not limited to: advanced motor control theories; neurophysiological basis organisation of motor control; motor control disorders and their neural origin; motor control deficits that accompany common disorders of the somatosensory system, basal ganglia, cerebellum and motor cortex;

and principles for structuring re-learning of motor skills.

Lectures: 2 hours per week; laboratories: 2 hours per fortnight.

Prerequisites: CHI222 Acquisition of Skill and Motor Control.

### Advanced Sports Psychology (CHI331)

Credit Points: 2

Murdoch: S2-internal

This unit will provide the student with an advanced understanding of psychological factors affecting both sporting performance and general participation in physical activity. It will provide the most up to date information on how psychology is currently impacting on all areas of modern sport and physical activity. Covered topics include: the role of psychology in rehabilitation programs; the role of psychology in exercise participation; the evolution of sport psychology; coaching process; applying psychology; exercise psychology in action.

Lectures: 2 hours per week; laboratories/workshops: 2 hours per week.

Prerequisites: CHI224 Sport Psychology.

### Advanced Statistics Seminar (MBS621)

Credit Points: 6

Not available 2011

This unit emphasises the practical application of statistical ideas and methods by focusing on the systematic collection of information, quantitative analysis and the construction of valid conclusions. It embraces the differing methodologies necessary for research projects based on archival data, field work and laboratory based experiments. Issues: problem identification; measurement error; the design of experiments; types of variation; sampling; questionnaire design; statistical analysis, and the presentation of results. A hands-on approach illustrates the routine application of methodology in simple applications.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in Doctor of Business Administration.

### Advanced Topic in Media Production (MCC5101)

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This is a unit, specific to the candidate's program of study, designed to afford focus on a related area of research, professional practice or production.

Prerequisites: Enrolment in an Honours or Postgraduate course.

### Advanced Topic in Media Production (MCC5102)

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This is a unit, specific to the candidate's program of study, designed to afford focus on a related area of research, professional practice or production.

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate Course.

### Advanced Topics in Exercise Physiology (CHI469)

Credit Points: 2

Murdoch: T1-internal

This unit will provide the student with an advanced understanding of high-interest areas and current topics in the field of Exercise Physiology. Advanced topics discussed may include novel exercise

techniques, current indications and contraindications of exercise, exercise and special populations exercise in environmental extremes, with all topics focusing on the latest exercise-related research.

Lectures: 1 hours; laboratories/workshops: 2 hours.

Prerequisites: The successful completion of all BSc Exercise Physiology core units from years 1 to 3.

### Advanced Topics in Instrumentation and Control (ENG502)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit explores complex problems that draw upon various aspects of Instrumentation and Control that include modelling, simulation, instrumentation and control studies. There will be a strong research focus in this unit which will serve as a preparation for the Masters Engineering Project in conjunction with ENG508 Design Methodologies in Instrumentation and Control.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

### Advanced Topics in Physics and Nanotechnology: Experimental (PEC423)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit extends the study of solid state and surface physics with practical aspects of interactions between radiation fields and matter. Analytical and experimental techniques are introduced by providing the theoretical background and laboratory practices necessary for undertaking experimental research in physics and nanoscience. Nanocharacterisation and surface analysis techniques included in this unit are: vacuum, thin film fabrication, microscopies (FESEM, TEM, AFM and STM) and spectroscopies (XRD, XPS, AES, FTIR Raman and synchrotron radiation).

Internal students: Lectures: 2 hours per week; tutorials: 1 hour per week; laboratories: 3 hours per week for 8 weeks.

External students: Compulsory 4-day on-campus laboratory session.

Prerequisites: PEC231/M231 Modern Physics; PEC232 Electromagnetism; PEC317 Physics of Materials.

Co-requisite: Internet access if studying externally.

### Advanced Topics in Physics: Theoretical (PEC430)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit investigates the theory behind the surface analysis methods used in materials science. The introduction deals with solid surfaces, their structure and composition and UHV basics. There is a section on analysis techniques, for example electron microscopy, sputter depth profiling, SIMS, AES, XPS, scanning probe microscopy and LEED. The final section looks at some of the applications for which these techniques can be used e.g. investigating semiconductor devices and thin film analysis.

Lectures/tutorials: 23 hours per week.

Prerequisites: M231/PEC231 Modern Physics (previously M211/Physics 2A: Quantum Physics) and PEC317 Physics of Materials.

Co-requisite: Internet access if studying externally.

**Advances in Medical Science (BMS368)**

Credit Points: 4

Murdoch: S2-internal

This unit examines the aetiology, pathogenesis, diagnosis, prevention and treatment of a select group of major human disorders which may be inherited, infectious, reproductive or malignant in nature. These include influenza, arthritis, malaria, infertility, cancer and leukaemia. Emphasis will be placed on sophisticated new technologies being used in medical research and how these are beginning to have an impact on our understanding and control of various human diseases. The unit combines various disciplines including molecular biology, immunology, microbiology and pharmacology.

Lectures: 3 to 4 hours per week; workshops: 2 to 3 hours per week.

Prerequisites: BMS360 Mechanisms of Disease or permission of the Unit Coordinator; and either BMS203 Human and Comparative Microbiology or BIO263 Microbiology I; and either BMS265 Medical Immunology and Molecular Genetics or BIO252 Immunology, Vaccines and Cell Culture.

**Advertising Production (BUS339)**

Credit Points: 4

Murdoch: S1-internal

Incorporates advertising strategy and how it is applied to create ads for TV, radio, outdoor and print. Learn how to come up with ideas and write and produce your own ad. There is an introduction to copywriting, layout and design, and groups will produce a TV commercial of their own using specially designed cameras and editing equipment. The aim is to help students to think laterally and provide an understanding of what it's like to work in the advertising industry.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: BUS273 Consumer Behaviour. Co-requisite: BUS336 Integrated Marketing Communications.

**After Power: The Fall of Regimes and Rulers (HIS203)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Examines (i) how political regimes in the modern period have ended (orderly transition, dramatic collapse of individual leader, defeat in war, societal revolution) and (ii) the political and personal consequences for former leaders (including Washington, Napoleon, Nicholas II, Churchill, Nixon, Amin, Mandela, Gorbachev, Thatcher, Pinochet, Milosevic, Hussein). Key themes include: the comparison of legitimate and 'criminal' regimes/leaders; the growth of the concept of accountability; the mechanics of regime change; and legacies of power in the post-colonial world.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Age of Information (FDN130; was FOU130)**

Credit Points: 3

Not available 2011

This unit provides students with a critical understanding of the ways that technological developments impact on their world. The unit covers four broad areas: the historical development of the 'age of information'; the political impact of the new technologies; the problems that arise in the legal domain especially in relation to information ownership and cybercrime; and the critical analysis of such themes as advertisements, talkback radio and reality TV.

Lectures: 2 hours per week; workshops/tutorials: 2 hours per week.

Prerequisites: Nil.

**Agricultural Biochemistry (ANS251)**

Credit Points: 4

Murdoch: S1-internal

Biochemistry is essential to understand production, health, and disease in animals. Topics: the conceptual understanding of DNA and RNA, proteins and protein synthesis, enzymes and enzyme action, and intermediary and energy metabolism in the whole animal system; regulation and integration of intermediary and tissue metabolism; digestion and absorption of nutrients and metabolites by herbivores (e.g., sheep, cattle), and omnivores (e.g., pigs) and the subsequent utilisation of these nutrients in the body; photosynthesis and secondary metabolism in crop and cereal biochemistry.

Lectures: 4 hours per week; practicals/tutorials/problem-based learning: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; BIO152 Cell Biology.

Exclusions: Students who have completed BMS261 Human and Comparative Biochemistry cannot undertake this unit for credit.

**American Indian History (HIS223)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit seeks to develop an understanding of Amerindian peoples, their civilisations, history, philosophies, and contemporary social problems. Other issues include origins and traditional heritage stressing evolution; ecology and innovation; a chronology of Amerindian-European contact; biological and cultural impact of European expansion; family life and acculturation. The last part of the unit deals with modern problems of urbanisation and institutionalisation including drinking; ideology and identity; indigenous movements; land rights; and the Native American and the greater society.

Lectures: 1 hour per week; lecture/screening (slides and Film): 3 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Anaesthesia and Critical Care (VET627)**

Credit Points: 4

Murdoch: S1-external

This unit is designed to improve knowledge on monitoring of the anaesthetised animal; techniques for providing pre-, intra- and postoperative analgesia; anaesthesia of small animals with gastrointestinal, hepatic, renal, cardiovascular, respiratory and endocrine diseases. The critical care component includes clinical assessment and recognition of complications including multiple organ dysfunction, monitoring of the cardiovascular, respiratory, neurological, renal, haematological and coagulation systems and therapy -- including crystalloids, colloids, transfusion, oxygen, ventilation and nutritional support.

External.

Prerequisites: Enrolment in Master of Veterinary Studies in Small Animal Practice or enrolment in the Postgraduate Certificate in Veterinary Studies in Small Animal Practice.

Co-requisite: Internet access if studying externally.

**Anaesthesia, Emergency and Critical Care (VET456)**

Credit Points: 3

Murdoch: S2-internal

Students are taught local and general anaesthetic techniques of small and large animals, the recognition and management of common anaesthetic emergencies and complications and techniques for postoperative analgesia plus the assessment and principles of treatment of animals that are presented as acute emergencies, including intoxications, and those that are critically ill. Students must learn basic practical skills.

Lectures: 48 hours; practicals: 36 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine.

**Anatomy (CHL2601)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

**Anatomy and Physiology for Midwifery Practice (MID501)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Students will develop an understanding of the events that occur prior to conception and during embryological development of the foetus. The students will gain knowledge of the female anatomy and the complex physiological adaptations and changes that must occur to support the developing pregnancy. To provide midwifery care in the postpartal period the student will understand the adaptation of the breast to lactogenesis and the physiology of the puerperium as retrogressive changes occur to the organs of reproduction.

Lectures: 2 hours per week; tutorials: 2 hours per week

Prerequisites: Enrolment in a Postgraduate Course.

Co-requisite: Internet access if studying externally.

**Ancient Greek Ideas (PHL216)**

Credit Points: 4

Not available 2011

This unit examines the origin and development of philosophical ideas at the beginning of the Western tradition. Students will read and discuss major works by the Presocratics, Plato, Aristotle, the Stoics and Neoplatonists on such themes as the origin of the cosmos, the place of the gods, atoms and elements, souls and bodies, theory of knowledge, and theory of value.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Ancient Greek Ideas (PHL416)***As for PHL216 except:*

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Animal and Human Bioethics (ANS106; was VET106)**

Credit Points: 3

Murdoch: S2-internal

Scientific and ethical justifications for using animals in agriculture, education, research, recreation and as companions will be

investigated. Key aspects of reproductive technologies and genetic engineering are included in addition to the role of animals in society, the management of wildlife and end of life decisions. Students will address the challenges involved in maintaining high standards of animal welfare for animals in our care. Students have the opportunity to focus some studies on either animal or human bioethical domains.

Lectures: 3 hours per week; tutorials: 2 hours every fortnight.

Prerequisites: Nil.

**Animal Diversity (BIO261)**

Credit Points: 4

Murdoch: S1-internal

This unit provides students with a description of the systematics and morphology of the major groups of invertebrates and vertebrates. Particular emphasis is placed on evolutionary trends amongst the vertebrates. Students are expected to develop practical skills, as well as acquiring a good theoretical background.

Lectures: 3 hours per week; laboratories/tutorials: 3 hours per week

Prerequisites: N103/BIO103 Environmental Biology.

**Animal Industry Experience (ANS357)**

Murdoch: S2-internal

This unit covers the practical farm experience that students enrolled in the Bachelor of Animal Science are expected to complete. Students will be required to spend a minimum of six weeks on farms that deal with the major domestic species covered in the course. Students will need to complete a written report for each farm visit before being eligible to pass the unit.

Six weeks of practical farm experience plus contact time with Unit Coordinator (as required).

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems 1.

**Animal Microbiology (ANS351)**

Credit Points: 4

Murdoch: S2-internal

The unit will provide basic knowledge and practical skills in microbiology relating to infectious diseases, with an emphasis on production animals. A generalist and integrated approach to pathogenic microbiology is adopted, but includes separate sections on bacteria and viruses. Sections comprise an introduction to features of pathogenic micro-organisms including structure, metabolism, genetic composition, culture and identification. Emphasis is given to the mechanisms causing disease in production animals and to principles of diagnosis and control.

Lectures: 5 hours per week; practicals/workshops: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and BIO252 Agricultural Biotechnology.

**Animal Molecular Biology (ANS252)**

Credit Points: 4

Murdoch: S1-internal

This unit focuses on the role of genetic material in controlling the activities of the bacterial and animal cells with particular emphasis on production animals. Topics include: DNA replication and mutation; control of protein synthesis; mechanisms of genetic disease; mechanisms of pathogenesis of infectious bacteria and viruses; control of development; genetic engineering; molecular markers of genetic traits in animals. In the laboratory sessions students gain practical experience with the techniques of genetic engineering.

Lectures: 4 hours per week; practicals/problem-based workshops: 4 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; BIO152 Cell Biology and PEC140 Introduction to Chemistry.

Exclusions: Students who have completed BIO212 Genetic Engineering cannot undertake this unit for credit.

### **Animal Nutrition and Toxicology (ANS354)**

Credit Points: 4

Murdoch: S1-internal

This unit will provide students with an opportunity to learn about the fundamentals of nutrients, feeds, ration formulation and practical feeding strategies for livestock and companion animals, the nutritional biochemistry of vitamins and minerals, interactions between nutrients and feed components, nutrition-responsive diseases and an introduction to toxicology of animals. Several components of this unit will be presented as workshops.

Lectures: 4 hours per week; workshops/seminars: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and ANS253 Physiology and Anatomy of Farm Animals.

Exclusions: VET346 Veterinary Nutrition and Animal Toxicology

### **Animal Parasitology (ANS356)**

Credit Points: 4

Murdoch: S2-internal

This unit in applied parasitology introduces the concept of parasitism and the diversity of parasitic organisms. The life cycles and transmission patterns of the major parasites of production animals in Australia are described. The interaction between hosts and parasites leading to the disease is covered in detail. Special attention is given to the practical treatment of parasitic disease and the development of integrated approaches to parasite control in farming systems.

Lectures: 4 hour per week; practicals/tutorials/workshops: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and ANS350 Pathology of Production Animals.

### **Animal Production Systems I (ANS101)**

Credit Points: 3

Murdoch: S2-internal

This unit provides an introduction to the theory and practice of animal production systems. Animal production will be explored through an introduction to soils and soil structure, plant and pasture science and a broad coverage of livestock farming systems. Practical classes will utilise the university farm to enhance the understanding of each topic studied, including practical skills in the safe handling of sheep, cattle, horses and pigs using low-stress handling methods where possible.

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science.

Exclusions: VET242 Animal Systems I

### **Animal Production Systems II (ANS250)**

Credit Points: 4

Murdoch: S1-internal

This unit will be taught in modules and develops knowledge of the theory and practice of animal production systems. Animal production from pasture systems will be emphasised, as will the associated role of soils. Practical classes will utilise the Murdoch

University Farm and other farm sites to develop industry recognised skills in pasture assessment and pasture management through the use of ProGraze as a model system.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems I.

### **Animal Production Systems III (ANS353)**

Credit Points: 4

Murdoch: S1-internal

This unit will be taught in modules and develops further knowledge of the theory and practice of the intensive and extensive animal production systems. Computer-based decision-making tools will be introduced to assist with understanding. A module in science and its communication will also be taught. Practical classes will develop industry-recognised skills in animal management and include field trips.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems I.

### **Animal Production Systems IV (ANS458)**

Credit Points: 4

Murdoch: Y-internal

This unit will be taught in modules and develops further aspects of intensive and extensive animal production systems related to economics and farm management, muscle biology and meat science, lactation and reproduction, biometry, and ration formulation. Emphasis will be placed on small-group work and students will be expected to prepare and present oral and written pieces of work.

Lectures: 4 hours per week; practicals/workshops: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS101 Animal Production Systems I and ANS250 Animal Production Systems II and ANS353 Animal Production Systems III.

### **Animal Science Research Project (ANS450)**

Credit Points: 12

Murdoch: Y-internal

This project reports on the rationale, methods and results of the research by presentation of a thesis, an introductory seminar, a final seminar and an oral thesis defence. A suitable topic is formulated in consultation with the Academic Chair and the proposed supervisors. All projects will be supervised by a Murdoch University supervisor and/or a University of Western Australia supervisor. A detailed proposal must be developed and approved by the program committee prior to commencement of the project.

Project time as appropriate for completion of the project.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS353 Animal Production Systems III.

### **Animal Systems I (VET242)**

Credit Points: 3

Murdoch: S2-internal

This unit provides an introduction to the theory and practice of animal production systems. Animal production will be explored through an introduction to soils and soil structure, plant and pasture science and a broad coverage of livestock farming systems. Practical classes will utilise the university farm to enhance the understanding of each topic studied, including practical skills in the safe handling of sheep, cattle, horses and pigs using low-stress

handling methods where possible.

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology.

Exclusions: ANS101 Animal Production Systems I.

### Animal Systems II (VET342)

Credit Points: 3

Murdoch: S1-internal

This unit covers the basic concepts of animal behaviour, animal welfare and animal husbandry for production, wild, aquatic and companion animals. Students will also gain an understanding of human-animal interactions, the ethical problems of animal production, domestication, and breed identification. Practical exercises will introduce students to safe procedures for physical examination of the major domestic animals, along with exercises in animal behaviour, small animal handling (including terrestrial, avian and aquatic species), and animal welfare.

Lectures: 3 hours per week; practicals and tutorials: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology; VET242 Animal Systems I.

### Animal Systems III (VET442)

Credit Points: 3

Murdoch: S1-internal

This unit covers the principles of epidemiology, biosecurity, public health, and meat science, in relation to wild and domesticated animals in society. Practical exercises will introduce students to veterinary procedures and skills in consultation, diagnosis, and problem-solving, along with the practical concepts of public health (including abattoir procedures and meat production).

Lectures: 3 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology; MAS183 Statistical Data Analysis and Databases or MAS184 Biostatistics and Information Retrieval; VET342 Animals Systems II.

### Animation (MCC241; was MUL241)

Credit Points: 4

Murdoch: S1-internal

This unit provides students with a solid basis in the theory and practice of 2d animation. It covers the historical, theoretical and practical aspects of animation with an aim of arming students with all the knowledge and skills needed to start creating thoughtful and engaging animated works.

Lectures: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: MCC129 Introduction to Digital Media (or MUL101 Introduction to Digital Media) OR MCC118 Visual Communication.

Exclusions: Students who have successfully completed MUL241 Multimedia Design I may not enrol in this unit for credit.

### Animation (MCC571)

As for MCC241 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours or Postgraduate Coursework course.

### Anthropology and Its Others (AST212)

Credit Points: 4

Murdoch: S1-internal, S1-external

Understanding cultural difference is at the heart of anthropology's project, and has significance for the other humanities and social sciences as well. Anthropology's 'Others' include both the other cultures which are the subject of its studies and the other disciplines with which anthropological ideas are engaged. Major debates in social and cultural anthropology and the contributions of cultural-ecology, marxist, symbolic, structural and post-modern approaches to cultural analysis are considered. Ethnographic films are an important component of the unit.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Anthropology and Its Others (AST612; was AST412)

As for AST212 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Applications of Nanotechnology (PEC261)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit introduces students to the concepts and principles of nanotechnology then looks at current applications in the wide field of nanotechnology. It covers the concept of nanoparticles and the different methodologies used to manufacture nanostructures. The unit investigates the advanced technologies used to image and manipulate individual atoms and looks at the properties of materials with nanoparticles constituents. It also investigates biological nanoscale mechanisms. Applications covered include: carbon nano-tubes technology; nano-electrics/photonic; quantum devices; solar energy materials.

Lectures: 3 per week; tutorials: 2 hours per week.

Prerequisites: PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

### Applied Animal Agriculture (ANS459)

Credit Points: 4

Murdoch: S1-internal, S2-internal, Y-internal

This unit enables students to increase their knowledge and expertise in various specialisations in applied animal agriculture. Teaching of this unit will be in the form of student-centred learning modules. Module topics will vary from year to year. Details about modules and their availability should be obtained from the Unit Coordinator prior to enrolment.

No scheduled attendance required, however, weekly on-campus meetings will be arranged.

Prerequisites: Enrolment in the Bachelor of Animal Science or permission of the Academic Chair.



**Applied Animal Breeding (ANS4591)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, Y-internal

This unit enables students to increase their knowledge and expertise in various specialisations in applied animal breeding. Teaching of this unit will be in the form of student-centred learning modules. Module topics will vary from year to year. Details about modules and their availability should be obtained from the Unit Coordinator prior to enrolment.

No scheduled attendance required, however, weekly on-campus meetings will be arranged.

Prerequisites: Enrolment in the Bachelor of Animal Science or permission of the Academic Chair.

**Applied Health Research Methods: From Research to Practice (NUR632)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit examines the qualitative and quantitative health research methods available to the researcher seeking to answer health-related questions and recommend changes to improve/support practice. Students will critique research examples in order to evaluate the various methodological approaches and their relative strengths and limitations. Focus will be on the efficacy of evidence-based research for health care and the forces that facilitate or limit its application. Students will develop a research proposal to answer a defined research question.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a Postgraduate Course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed an equivalent research methods unit must contact the Academic Chair for a replacement unit.

**Applied Mathematics (MAS182)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit provides an introduction to differential and integral calculus, and basic ordinary differential equations. The concepts and techniques will be motivated and illustrated using mathematical models in the physical and biological sciences, commerce, economics and the social sciences. Other topics include complex numbers and their applications.

Lectures/tutorials: 4 hours per week.

Prerequisites: M164/MAS164 Fundamentals of Mathematics or at least a pass in the Year 11 course Introduction to Calculus together with a final scaled score of 55% or more in TEE Applicable Mathematics OR C grade or higher achievement in Mathematics 3C/3D.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed a calculus unit of the level of M161/MAS161 Calculus and Matrix Algebra or higher may not enrol in this unit for credit. Students may not enrol in this unit and either MAS161 Calculus and Matrix Algebra or MAS164 Fundamentals of Mathematics concurrently.

**Applied Psychology Dissertation (PSY600; was PSY500)**

Credit Points: 12

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

A substantial research investigation into some aspect of psychology reported as a relevant review of literature and a 'journal article'. Enrolment should be continuous and lasts no longer than 2 years.

If the Academic Chair determines inadequate progress, a warning may be sent. Where a dissertation is not completed within the period, the student may be required to complete by a given date (or be excluded) or, where a written warning has previously been issued, be excluded from the course.

Dissertation: approximately 9 hours per week for 37 weeks.

Prerequisites: Enrolment in MAppPsych (Clinical or Organisational).

Students commencing enrolment in the Applied Psychology Dissertation may not enrol in PSY600 and must enrol in PSY690 in conjunction with PSY655.

**Applied Psychology Dissertation (PSY690)**

Credit Points: 10

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

A substantial research investigation into some aspect of psychology reported as a relevant review of literature and a 'journal article'.

Dissertation: approximately 9 hours per week for 37 weeks.

Prerequisites: Enrolment in MAppPsych (Clinical or Organisational); completion of, or concurrent enrolment in, PSY655 Psychology: Advanced Thesis Research Methods.

Enrolment should be continuous and last no longer than two years. If the Academic Chair determines inadequate progress, a warning may be sent. Where a dissertation is not completed within the period, the student may be required to complete by a given date (or be excluded) or, where a written warning has previously been issued, be excluded from the course.

**Applied Statistics and Process Management (MAS284)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit considers the nature and causes of variation underlying the monitoring, management and control of technological and other processes, and provides an introduction to relevant statistical methodology and computer software. Topics: descriptive statistics and displays; control charting; process capability; summarisation and comparison of processes, regression methods and time-series; seasonality and periodicity; sampling plans; applications to quality control, management and improvement; simple experimental designs. Examples will be drawn from areas such as engineering, mining and manufacturing, commerce and industry.

Lectures/laboratories/tutorials: 4 hours per week.

Prerequisites: A basic understanding of simple descriptive statistics and elementary probability.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either of MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis and Databases concurrently.

**Applied Sustainable Entrepreneurship and Business Innovation (BUS331)**

Credit Points: 4

Murdoch: S2-internal

This unit is designed to provide a practical experience in applied (green) entrepreneurship and business innovation with a focus on building long-term sustainability. This includes identifying new products or services in start-up ventures or operating businesses, and participation in the business process. Participation can be through a workplace placement or through the development and start-up of an enterprise.

Lectures: 2 hours per week, tutorials: 1 hour per week.

Prerequisites: BUS274 Entrepreneurship and Innovation and/or BUS215 Business Feasibility and Management Concepts

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### Applied Veterinary Medicine II (VET501)

Credit Points: 12

Murdoch: S1G-internal, S2H-internal

Undertake a lecture-free workplace-orientated learning experience, rotating through various clinical disciplines provided by the Murdoch University Veterinary Teaching Hospital and its associates (including Small Animal Medicine, Small Animal Surgery and Anaesthesia, Production Animal Health and Management, Public Health, Clinical Pathology, Pathology and Epidemiology, Equine Medicine and Surgery, Diagnostic Imaging, Avian Medicine, Zoo Animal Medicine and Reproduction). Participate in a two-week intensive course in Practice and Business Management. Special assignments enable additional training in areas of student's choice.

Minimum 40 hours per week with variations to this dependent on rotation and clinical case load.

Prerequisites: VET401 Applied Veterinary Medicine I.

Students must participate in extramural practical work as part of this unit.

### Approaches to History (HIS285)

Credit Points: 4

Murdoch: S1-internal, S1-external

Students are introduced to a more effective use of sociological, anthropological and philosophical concepts used by historians in studying the past. In discussing various approaches and methodologies, examples will be drawn from historical studies of Anglo-American, European and non-western societies. The unit, emphasising the variety of history, will deal with the following areas: anthropology and history; sociology and history; quantification and history; social history; psychology and history; history and social practice.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil. Recommended: S181/HIS181 Introduction to History or S182/HIS182 Turning Points in History.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Approaches to History (HIS685; was HIS485)

As for HIS285 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Approaches to Sustainable Development (STP109)

Credit Points: 3

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

This unit examines the evolution of sustainability over the past 40 years from early origins to the Brundtland Report to the Stern Report. In addition, the unit looks at the wide range of approaches to sustainability today including: environmental scepticism; mainstream market based and technocratic approaches; and community based approaches. The unit will also reflect on what are the most effective responses to the sustainability challenge

including global intergovernmental responses, the role of business, and more sustainable personal practices.

Lectures: 1 hour per week, tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Asia-Pacific in the Global System (POL161)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit examines issues and developments in the Asia-Pacific region that are of international concern and interest. These include: sources of consensus and conflict in and among nation states; democratisation and capitalist development; the World Bank and international development; international responses to failed and failing states; the nature of US power and the impact of the rise of China; regional crises and institutions; and environmental security.

Up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Asian Studies Dissertation (AST634; was AST534)

Credit Points: 12

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

An original substantive investigation of a relevant Asian Studies topic under the supervision of a member of academic staff. Admission to the Dissertation option requires a) a Distinction+ average in MA coursework; b) advance approval of a dissertation proposal by the Academic Chair. Students should enrol in the Asian Studies Project in the initial instance and may transfer to the Asian Studies Dissertation after approval has been obtained.

Prerequisites: Permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Asian Studies Project (AST632; was AST532)

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in the MA in Asian Studies requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. The project will normally have 5000 words in the 4-point option, or 10,000 words in the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in MA in Asian Studies.

Co-requisite: Internet access if studying externally.

### Asian Studies Project (AST632i; was AST532i)

As for AST632 except:

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Assessment Management of Sports Injuries (CHI686)

Credit Points: 4

Murdoch: H-external, Y-external

The aim of this unit is to further enhance the student/practitioner's ability to properly assess and determine appropriate care for a

variety of sport-related injuries and conditions. This unit will cover topics such as: facial injuries; thoracic and chest pain; principles of injury prevention; knee, shin, calf and achilles pain; and many more.

External.

*Prerequisites:* Enrolment in the Postgraduate Diploma in Sports Chiropractic or the Masters of Sports Science.

*Co-requisite:* Internet access if studying externally.

### **Astronomy (PEC123)**

*Credit Points:* 3

*Not available 2011*

This unit is designed to be an introduction to practical astronomy for people who are interested in discovering more about the night sky. It includes a discussion of the fundamentals of modern practical astronomy; telescopes; the solar system, including comets and asteroids; stars and galaxies. Students are also introduced to ways in which non professional astronomers can contribute to astronomical research. Practical work consists of night time observing sessions and reports.

*Lectures:* 3 hours per week; 3 observing sessions (10 hours).

*Prerequisites:* Nil.

### **Atmospheric Science (ENV213)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

A general unit designed to introduce the scientific study of the atmosphere and its impact on human endeavours. The unit explores meteorological phenomena with particular relevance to the Australian region and introduces satellite remote sensing, climate modelling and biosphere/atmosphere interactions. Laboratory sessions as well as computer and online activities develop generic skills appropriate to environmental research.

*Lectures:* 3 hours per week; *practical work:* 3 hours per week.

*External students should note that this unit has a compulsory week-long on-campus component.*

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

### **Atmospheric Science (ENV513)**

**As for ENV213 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*KAPLAN-SGP:* T2A-internal, T3A-internal

*Prerequisites:* Enrolment in a honours or postgraduate level course.

*Co-requisite:* Internet access if studying externally.

### **Auditing (BUS312)**

*Credit Points:* 4

*Murdoch:* S2-internal

*KDUPJ:* S2K-internal

*SGP1:* T2B-internal

The objective of this unit is to develop a theoretical and legal background to the role and responsibilities of the auditor and the audit process. Topics: the scope and limitations of auditing; the legal background to audit responsibilities and duty of care; auditing standards; accepting and planning audit engagements; evaluating audit risk; internal control; audit evidence; audit reports and

working papers.

*Lectures/workshops/tutorials:* 3 hours per week.

*Prerequisites:* BUS217 Technology and Accounting Processes and BUS256 Contemporary Financial Accounting.

### **Auditing (MBS634)**

*Credit Points:* 4

*Murdoch:* S1-internal

The objective of the unit is to develop a theoretical and legal background to the role and responsibilities of the auditor and the audit process. Topics include the scope and limitations of the audit; the legal background to audit responsibilities and duty of care; auditing standards; accepting and planning audit engagements; evaluating audit risk and internal control, and audit evidence reports and working papers.

*Lectures/seminars/workshops:* 3 hours per week.

*Prerequisites:* MBS513 Accounting for Managers.

### **Australia and its Asian Context (HIS202)**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

Understanding Australia's present engagement with Asia demands awareness of longer term attitudes towards Asia. This unit fosters an understanding of distinctive features of Australian history in the light of perceptions of Asia, for example cultural baggage carried by Australia's first white inhabitants, how this affected their understandings of non-European peoples, and Australia's history of 'dependent relations' on external protectors. It examines contemporary relations between this country and its region and contemplates the implications of 'Australia's Asian context' for national identity.

*Lectures:* up to 2 hours per week; *seminars:* 1 hour per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### **Australia in Asia (FDN110)**

*Credit Points:* 3

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external

*Rockingham:* S2-internal

From Pilbara mines to Balinese beaches, Australians and Asians are encountering each other in new, productive and creative ways. Historically, geographically and culturally, Australia and Asia have always been linked through circuits of trade, travel and migration. But globalisation has brought new challenges, opportunities and conflicts. How do contemporary Australians and Asians perceive each other, and what determines these perceptions: Historical legacies? Economic interests? Media clichés? And how do we construct and experience our own identities in a globalising world?

*Lectures:* 2 hours per week; *tutorials:* 2 hours per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### **Australian Administrative Law (LAW258)**

*Credit Points:* 4

*Murdoch:* S1-internal

This unit reviews the current operation of administrative law in Australia at the Commonwealth and the State level. It assesses the impact of the major reform of administrative law which took place in the 1970s and 1980s. It will examine the role of courts, tribunals and other administrative review bodies in overseeing and controlling the exercise of administrative discretion and in

maintaining the accountability of government.

Lectures: up to 4 hours per week; workshops: up to five one-hour workshops per semester.

Prerequisites: L150/LEG150/LAW150 Australian Legal System. In addition students must have passed L120/LEG120/LAW120 Research and Writing, or be concurrently enrolled in LAW120 Research and Writing.

### **Australian Business and the Economy (BUS162)**

Credit Points: 3

Murdoch: S2-internal, S2-external

An applied unit that provides a comprehensive account of how Australia's economy works and the constraints on business. It examines the dynamics of the Australian economy and the policy issues facing it. It covers all aspects of the economy with particular emphasis on the policies and institutions which influence the Australian economy. Among the key topics covered are unemployment, inflation, government expenditure and taxation, interest rate policy, manufacturing, services, mining and agriculture, the financial sector, exchange rates and international trade.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Australian Church History (THE497)**

Credit Points: 4

Not available 2011

This seminar traces the developments of Christianity in Australia through the major churches that emerged in Australian society. It will look at these developments in the context of Australian social history and political history. The study of primary documents will form a major part of this unit. Other areas investigated will include the missionary-Aboriginal encounter, the churches and education, and Christianity in Western Australia.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: One 200-level Church History unit.

### **Australian Church History (THE597)**

As for THE497 except:

Credit Points: 4

Not available 2011

### **Australian Coastal Environments (ENV208)**

Credit Points: 4

Murdoch: S2-internal

This unit will focus on the coastal environments found around the Australian continent. It provides a basic overview of coastal oceanography, marine biodiversity and coastal management. The unit covers principles of oceanography, coastal processes, coastal landforms, diversity of marine plants and animals, coastal habitats and ecosystems, marine resource usage, coastal management issues and current best practice.

Lectures: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: Marine Science students.

This unit replaced ENV204 Principles of Oceanography as of 2007.

### **Australian Common Law System (BCL250)**

Credit Points: 4

Murdoch: UA1-internal

Focuses on the institutions of the common law and the way in which lawyers approach their work, looking at the range of legal institutions in Australia, including courts, legislative bodies, the civil services and legal profession.

Topics: development of Australia's legal system's 'common law' characteristics; working with case-law and the doctrine of precedent; nature, operation and interpretation of statutes; alternative dispute resolution; legal practice and ethics; Inclusion and exclusion in law; development of fundamental library research skills; exam techniques.

Lectures: 4 hours per day, two-week intensive

Prerequisites: Enrolment in Bachelor of Common Law.

### **Australian Environmental Issues (ENV104)**

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit provides students with an overview of current environmental issues in Australia. These include land degradation, management of our forests and national parks, climate change, the ozone layer, pollution and marine and coastal management. Opportunities for conservation and environmental restoration, including the role of society in relation to these issues are addressed. An interdisciplinary approach is adopted with an emphasis on exploring solutions to these issues.

Lectures: 3 hours per week; tutorials: 1 hour per week for 6 weeks.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Australian Foreign Policy in a Changing World (POL239)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit aims to produce critical understanding of the multiple influences on the formulation, implementation and transformation of Australian foreign policy, particularly since the Cold War ended. Its guiding questions are: What are the main factors shaping the content and objectives of Australian foreign policy? How can we understand the relationship between domestic and international politics in the contemporary world? What are the central issues facing decision-makers, and how have they responded? Who makes Australia's foreign policy and why?

Lectures/tutorials: 5 hours per fortnight.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S239 Australia and the Global Political Economy Since 1945 or S239 Australian Foreign Policy may not enrol in this unit for credit.

### **Australian Government (POL135)**

Credit Points: 3

Murdoch: S1-internal, S1-external

Examines the institutions, practices and issues of Australian politics, drawing upon such ideas as democracy, accountability, citizenship, participation and representation to explore the need for, and the possibilities of, reform. Topics: formal institutions such as the Constitution, Federalism and the Parliament; practices of Australian Government, the relationship between the Government and Parliament, the operation of the Cabinet, the bureaucracy, elections, political parties and interest groups; plus contemporary

issues in Australian politics (e.g. the environment, globalisation, women's issues, Aboriginal reconciliation, republicanism).

Up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S135 Australian Government may not enrol in this unit for credit.

### **Australian Indigenous Education (EDU425)**

Credit Points: 4

Murdoch: S1-external, SB6-internal

Effective teachers are crucial to effective teaching/learning for all students but especially so within the context of Aboriginal education. Thus this unit is designed to provide education practitioners with the necessary background and conceptual knowledge, as well as the skills to maximise learning outcomes for Indigenous students. Whether dealing with health issues or discussing truancy, whether the focus is on literacy and numeracy, the key questions relate to teachers' work and what teachers can do to make a difference.

No attendance required. However, on-campus meetings will usually be available for those enrolled in the External mode. For those enrolled in the SB6 summer offering there is a compulsory two-week on-campus attendance.

It is recommended that participants seek confirmation of the exact attendance dates and requirements through the School of Education website closer to the commencement date of the teaching period.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Australian Indigenous Education (EDU625)**

**As for EDU425 except:**

Credit Points: 4

Murdoch: S1-external, SB6-internal

Prerequisites: Enrolment in a Postgraduate qualification.

Co-requisite: Internet access if studying externally.

### **Australian Indigenous Politics: Resistance or Collusion (AIS205)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines the internal politics of Aboriginal communities and organisations, and the often stormy relationships between them and the federal and state governing apparatus of Australia. Topics include: early Indigenous resistance; the history of government responses to the continued existence and desires of Aboriginal Australians; the move to self-determination; the rise and fall of ATSIC; Indigenous calls for regional governance, sovereignty and treaties; and the Northern Territory National Emergency Response (the 'Intervention').

Seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Australian Indigenous Politics: Resistance or Collusion (AIS505; was AIS405)**

**As for AIS205 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed AIS405 Australian Indigenous Politics may not enrol in this unit for credit.

### **Australian Legal System (LAW150)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

Focuses on the institutions of the law and the way in which lawyers approach their work, looking at the range of legal institutions in Australia, including courts, legislative bodies, the civil services and the legal profession. Topics: development of Australian legal system's 'common law' characteristics; working with case-law and the doctrine of precedent; nature, operation and interpretation of statutes; alternative dispute resolution; legal practice and ethics; inclusion and exclusion in law; development of fundamental library research skills; exam techniques.

Lectures: 2 hours per week; tutorials/workshops: 2 hours per week.

Prerequisites: Enrolment in LLB or Juris Doctor.

Exclusions: Students who have successfully completed L170/LEG170 Legal Process or L165 Torts and the Australian Legal System may not enrol in this unit for credit.

### **Australian Legal System (BUS150)**

**As for LAW150 except:**

Credit Points: 3

Not available 2011

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

### **Australian Legal System (LEG150)**

**As for LAW150 except:**

Credit Points: 3

Murdoch: S1-internal

Lectures: 2 hours per week; tutorials/workshops: 1 hour per week.

Prerequisites: Nil.

### **Australian Literature and Film (EGL284)**

Credit Points: 4

Not available 2011

This unit uses postcolonial approaches to trace the development of Australian literature from its colonial beginnings to the present day. A wide variety of texts will be introduced -- books, extracts from literary works or documents such as explorers' notebooks, settlers' letters and diaries. There will also be opportunities to study film versions of literary texts. The works selected will provide the basis for studying cultural change in Australia in terms of changing attitudes to Europe, Aboriginal history and national identity.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Fourth year undergraduate students should enrol in the higher-level code for this unit.

**Australian Literature and Film (EGL2841)****As for EGL284 except:**

Credit Points: 3

Murdoch: SP3-internal

Prerequisites: Enrolment in the Ithaca Walkabout course.

**Australian Literature and Film (EGL484)****As for EGL284 except:**

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Australian Migration Law (LAW402)**

Credit Points: 4

Murdoch: SP22-internal, UA6-internal

This unit deals with the fundamentals of Australian migration law. Topics addressed will include an introduction to Australia's legal system, the relationship between levels of legislation and court hierarchies. The unit will give an overview of Australia's immigration history, and the philosophy of the immigration system. Students will be introduced to the relevant acts and other legislation, the general concepts of migration procedure, the visa application process, and the role and responsibilities of migration agents and advisors.

*Taught intensively over one week; refer to timetable for details.*

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice.

**Australian Visa System (LAW403)**

Credit Points: 4

Murdoch: AU6-internal, SP1-internal

This unit analyses Australia's visa system; including visa classes, conditions, criteria and application processes. It will cover visa monitoring and compliance issues, grounds for refusal or cancellation of visas, and consequences of unlawful status. The unit will also deal with detention, removal and deportation, and offences under the Migration Act. Types of reviewable decisions, and exclusions from review will be discussed using relevant case law. The unit will impart skills in producing supporting submissions for applications and judicial review.

*Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice; LAW402 Australian Migration Law.

**Australian Youth Culture (SOC230)**

Credit Points: 4

Murdoch: S2-internal, S2-external

On the one hand youth is often presented as a period of storm and stress or a time of crisis. On the other hand youth culture is often something many seek out, envy, and desire. This unit will acquaint students with Australian and international literature concerned with the study of youth. Students will be introduced to the history of youth, major theoretical traditions on youth culture and the various media, policy and professional responses to youth needs and interests.

*Lectures/tutorials: up to 3 hours per week.*

Prerequisites: Nil.

*Co-requisite: Internet access if studying externally.*

*Postgraduate students should enrol in the higher-level code for this unit.*

**Australian Youth Culture (SOC530)****As for SOC230 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

*Co-requisite: Internet access if studying externally.*

**Authoritarianism and Democracy in Asia (POL257)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Historically, capitalism and liberal democracy went hand in hand in Europe and North America. Expectations of a similar relationship emerging in Asia have risen due to economic and social transformations in the last two decades. Recent economic crises have also been interpreted as evidence that authoritarian rule is incompatible with sophisticated market economies. Does this underestimate the durability of authoritarian rule? Does political change have to be democratic to accommodate the market and related institutions like the rule of law?

*Up to 3 hours per week.*

Prerequisites: Nil.

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed H257/H457 Authoritarianism, Democracy and Capitalism in Asia may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

**Authoritarianism and Democracy in Asia (POL657; was POL457)****As for POL257 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

*Co-requisite: Internet access if studying externally.*

**Avian, Exotic Pet and Wildlife Practice (VET453)**

Credit Points: 2

Murdoch: S1-internal

This unit covers basic principles of avian, exotic pet and native wildlife medicine. The course will cover appropriate methods of physical and chemical restraint; diagnosis and treatment of common diseases and injuries; and aspects of nutrition and husbandry associated with maintaining these types of animals in captivity.

*Lectures: 24 hours; practicals: 4 hours.*

*Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging.*

**Aviation Law (LAW324)**

Credit Points: 4

Not available 2011

This unit examines the making, operation and implementation of the international and domestic law governing carriage by air of passengers, baggage and cargo. Areas covered include the

regulatory framework of international civil aviation, Australia's international obligations in the regulation of air travel, the functions, roles responsibilities and potential liabilities of the aviation regulatory authorities, air carrier liability, and aviation security.

*Taught intensively over one week: refer to timetable for details.*

*Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure; L260/LAW260 Contract.*

*Exclusions: Students who have already completed LAW3003 Special Topics in Law: Aviation Law may not enrol in this unit for credit.*

### **Biblical Hebrew I (THE101)**

*Credit Points: 3*

*Murdoch: S1-internal, S1-external*

An introduction to Biblical Hebrew, its vocabulary, grammar and syntax. Emphasis is placed on the reading of Hebrew, and the aim is to provide a basic understanding so that students can read with the aid of tools.

*Lectures/tutorials: 4 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Biblical Hebrew II (THE201)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

Further development of skills in reading biblical texts, including aspects of textual criticism. Representative passages will be selected.

*Lectures/tutorials: 4 hours per week.*

*Prerequisites: S101/THE101 Biblical Hebrew I.*

*Co-requisite: Internet access if studying externally.*

### **Big Ideas for a Better Society (SOC204)**

*Credit Points: 4*

*Not available 2011*

This unit enables students to engage with conceptual schemes that display the intricate interconnections between forms of everyday social interaction and broad social structures, forms of regularity and order as features of national and global social systems. It displays the critical importance of sociological theory, both classical and contemporary to our understanding of contemporary social processes.

*Lectures/seminars/tutorials: up to 3 hours per week.*

*Prerequisites: S134/SOC134 Introduction to Sociology.*

### **Biochemistry (CH12602)**

*Credit Points: 2*

*Not available 2011*

*Prerequisites: Enrolment in the BHSc in Chiropractic.*

### **Biochemistry I (BI0270)**

*Credit Points: 4*

*Murdoch: S2-internal*

An integrated approach to biochemical processes of living cells. Introduction to the major metabolic pathways, enzymology and the mechanisms of protein synthesis. The unit also emphasises biochemical problem solving. Topics: structure and function of membranes; bioenergetics; enzyme kinetics and enzyme inhibition; digestion and absorption; carbohydrate, amino acid, fatty acid and nucleic acid catabolism; oxidative phosphorylation and electron

transport; foreign compound metabolism; photosynthesis; carbohydrate, amino acid, fatty acid, purine and pyrimidine biosynthesis; biosynthesis of DNA, RNA and protein; numerical problem solving.

*Lectures: 3 hours per week; laboratories/tutorials: 4 hours per week.*

*Prerequisites: N152/BIO152 Cell Biology and either PEC144 Chemical Principles or M114/PEC114 Chemistry for Biological Sciences or M115/PEC115 Chemistry for Environmental Science or M116/PEC116 Chemistry for Physical Sciences.*

*Exclusions: Students who have successfully completed V261/BMS261 Human and Comparative Biochemistry or ANS251 Agricultural Biochemistry may not enrol in this unit for credit.*

### **Biochemistry II (BIO371)**

*Credit Points: 4*

*Murdoch: S2-internal*

This is an advanced unit in biochemistry with an emphasis on metabolic and cellular regulation and integration. Topics covered in the core modules include: regulation of enzyme activity and protein function; mechanism of action of hormones and growth factors; metabolic integration and tissue specialisation; cell proliferation and cancer. In addition, students will choose one of the following elective modules: nutritional biochemistry of vitamins and minerals; mammalian hormones; pharmacological and metabolic effects of plant-derived toxins.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: N270/BIO270 Biochemistry I or V261/BMS261 Human and Comparative Biochemistry or ANS251 Agricultural Biochemistry.*

### **Bioethics and Law for Health Care Leadership (NUR610)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

This unit will focus on recognising actual and potential ethical dilemmas in professional practice and health care leadership, and how ethical decisions are made, justified and reviewed. A conceptual framework will be used to explore the role of the decision makers which includes their actual and perceived roles, professional values, and communication and collaboration practices when decisions with an ethical dimension have to be made. Ethical decision making in professional practice and health care leadership will also be examined.

*Lectures: 2 hours per week; tutorials 2 hours per week.*

*Prerequisites: Enrolment in a postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### **Biomechanics (CH12611)**

*Credit Points: 2*

*Not available 2011*

*Prerequisites: Enrolment in the BHSc in Chiropractic.*

### **Biomechanics and Diagnostic Palpation Skills (CH1209)**

*Credit Points: 4*

*Murdoch: S2-internal*

Emphasises the concepts of a thorough investigation and evaluation of a patient from a biomechanical and palpatory process. Deals with biomechanics of joints and muscles. Details include palpatory techniques, soft tissue and bony, as well as biomechanical examination and skills. Develop motion palpation skills for the analysis of the joints and soft tissues of the spine and extremities.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: CHI124 Principles of Sports Science (or CHI109 Chiropractic Skills and Principles I) AND CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy).

### Biomedical Instrumentation (ENG371)

Credit Points: 4

Murdoch: S1-internal

This unit builds upon the prerequisites of DC/AC circuits and electronics, anatomy and physiology, control and dynamics to understand and develop a working knowledge of the principles and operations of the types of sensors and instrumentation associated with making biomedically oriented measurements used in diagnostic, intensive care and normal monitoring of patients.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG243 Circuits and Systems II; BMS264 Biomedical Physiology.

### Biomedical Physiology (BMS264)

Credit Points: 4

Murdoch: S1-internal

This unit will cover the functioning of the individual organs and tissues of humans and other mammals, including nervous, muscular, cardiovascular, respiratory, renal and alimentary systems. The mechanism of action will be considered in terms of the cellular and tissue structure and the physical processes necessary to maintain the healthy body. This will include a detailed study of the histology of each tissue. Control mechanisms will be outlined. Practical exercises will utilise computer simulations and human subjects.

Lectures: 4 hours per week; practicals: 4 hours per week or equivalent.

Prerequisites: BMS107 Principles of Vertebrate Biology.

### Biomedical Science Research Project (BMS304)

Credit Points: 4

Murdoch: S1-internal

The aim of this unit is to extend the student's grasp of the principles and practice of Biomedical Science, to develop skills for independent research, to introduce them to a research environment and to facilitate their entry into Honours in Biomedical Science. It involves collaborative participation in a laboratory-based project as directed by an academic supervisor. Students are required to submit a research paper on their results

7 hours per week of collaborative research.

Prerequisites: BIO152 Cell Biology.

This unit is subject to quota. Quota is due to limited availability of suitable research placements. Entry is subject to a suitable research placement being available.

### Biomedical Signal Processing (ENG372)

Credit Points: 4

Murdoch: S1-internal

This unit builds upon the prerequisite electronics, mathematics, control and dynamics to provide a solid foundation in signal processing. Some of the areas covered will include Fourier analysis, digital signal processing and filtering. This unit will provide a solid mathematical background and places a strong emphasis on computer based analysis tools and hardware requirements.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: ENG243 Circuits and Systems II; ENG267 Control Systems and Process Dynamics; ENG109 Computing for Scientists and Engineers; MAS208 Mathematical Modelling.

### Biomedical Systems Engineering (ENG373)

Credit Points: 4

Murdoch: S1-internal, S2-internal

Looks at a variety of human anatomical and physiological systems from an engineering perspective. In particular, the application of system analysis and modelling to develop, understand and have a working knowledge of mathematical and computer based models which encapsulate the dynamic and steady state aspects of a variety of important biomedical systems. Includes musculoskeletal, cardiovascular, temperature regulatory, neural and sensory systems. Relies and builds heavily upon the prerequisites of biomedical instrumentation, biomedical signal processing, mathematical modelling, control and dynamics.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: ENG371 Biomedical Instrumentation; ENG372 Biomedical Signal Processing ; MAS208 Mathematical Modelling; ENG267 Control Systems and Process Dynamics; BMS264 Biomedical Physiology.

### Biostatistical Methods (MAS230)

Credit Points: 4

Murdoch: S2-internal, S2-external

Biostatistics is concerned with the collection, summarisation, analysis and interpretation of data arising in the life and health sciences. This unit builds on introductory statistical work, emphasising practical methods relevant to biological and health applications. These include design and analysis of simple experiments and clinical trials, lifetable methods, assessment of risk factors, analysis of categorical data and a brief introduction to failure-time analyses. Practical aspects are enhanced via regular workshop analyses and a small project.

Lectures/workshops: 4 hours per week.

Prerequisites: M180/MAS180 Introduction to Statistics or M183/MAS183 Statistical Data Analysis and Databases or M184/MAS184 Biostatistics and Information Retrieval.

Co-requisite: Internet access if studying externally.

### Blacks and Whites: Aboriginal Colonised History (AIS338; was AIS238/HIS238)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit aims to place Australian Aborigines within an historical perspective with a view to understanding their position in Australian society today. After a brief survey of early contact, the unit will concentrate on the consequences for Aboriginal people of European settlement. The pattern of Aboriginal response, giving attention to European attitudes and official policy, will be examined as well as the institutionalisation of Aboriginal people commencing late nineteenth century and Aboriginal political expression through to the 1967 Referendum.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Blacks and Whites: Aboriginal Colonised History (AIS638)



**As for AIS338 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

**Bodies of Evidence (BIO215)**

Credit Points: 4

Murdoch: S1-internal

This unit focuses on the collection and presentation of evidence derived from the biological and chemical investigation of homicide. It introduces the role of the Coroner's Court and discusses evidence derived from the key disciplines of forensic pathology, forensic anthropology, forensic botany and forensic chemistry. A complex murder case is investigated and the evidence is presented in a moot court. Protocols for the collection and presentation of evidence including chain of custody, expert testimony and forensic report writing are emphasised.

Lectures/workshops: 3 hours per week; laboratories: 20 hours per semester.

Some lectures and workshops are held in the non-teaching weeks during the semester; see the Teaching Timetable for further details.

Prerequisites: PEC144 Chemical Principles OR M114/PEC114 Chemistry for Biological Sciences OR M115/PEC115 Chemistry for Environmental Science OR M116/PEC116 Chemistry for Physical Sciences; BIO152 Cell Biology.

**BPpsych Practical Placements (PSY444)**

Credit Points: 4

Murdoch: S1-internal (quota of 40 places), S2-internal (quota of 40 places)

The purpose of this unit is to give students opportunities to gain skills and experience from a workplace in an applied setting. Supervision will be provided jointly by university staff and practitioners in, whenever possible, the field of choice. This unit is designed to comply with the University Workplace learning policy. Students must apply and selection may be based on academic performance in Psychology units and other criteria.

5 days placement preparation (which includes 4 hours of required seminar participation) and 15 days on placement.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in Postgraduate Diploma in Psychology.

Students may require Police Clearance and Working with Children Certificates where appropriate. Students wishing to participate must submit an application from (available from <http://www.psychology.murdoch.edu.au/forms.html>) to the Unit Coordinator.

This unit is subject to quota. Selection may be based on academic performance in core Psychology units, as well as other criteria and the number of placements available.

**Britannia to the Beatles: Power, Sex and Identity in Modern Britain (HIS220)**

Credit Points: 4

Not available 2011

This unit examines Britain from 1901 until 2000. It follows the British people during the great changes that occurred in the twentieth century such as the dislocation brought about by international wars and the decline of the Empire. The theme of identity is used to examine the ways in which gender, ethnicity and class have worked to divide and/or unite the British nation. Topics

include: Scottish and Welsh nationalism, British cinema, 'Swinging London', Thatcherism and immigration.

Lectures: 2 hours per week; tutorials 1.5 hours per week.

Prerequisites: Nil.

**Business and Technical Communication (BUS204)**

Credit Points: 4

Murdoch: S2-internal, SB4-internal

Combines a theoretical and practical module that will position the student favourably in the business environment. Topics covered: decision management; corporate strategising; and the ethics of professional communication. Particular emphasis is placed on the complex challenges of cross-cultural communication confronting international business. The practical workshops address specific skills-acquisition such as: the writing of business reports, cognitive control of argument and effective business presentations.

Lectures: 1 hour per week; workshops: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed C170 Business and Technical Communication may not enrol in this unit for credit.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

**Business Feasibility and Management Concepts (BUS215)**

Credit Points: 4

Murdoch: S1-internal

Introduces students from disciplines other than commerce to areas of business feasibility and management planning activity which may be useful to graduates within their chosen work environment. The unit considers business structures, legal and intellectual property issues, concepts of marketing, organisational and personnel behaviour and financial planning. Business planning, feasibility, and business research methods will also be considered from both an entrepreneurial and business perspective. There will be a strong focus towards technology and science based commercialisation and related issues.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Enrolment in any major except for Accounting, Banking, Business Law, Chinese Business, Finance, Hospitality and Tourism Management (Commerce major)\*, Human Resource Management, International Business, Management, Marketing Management, Marketing.

Students enrolled in Murdoch Business School majors, except for Entrepreneurship and Innovation, will not be permitted to enrol in this unit for credit. They should consider BUS274 Entrepreneurship in Organisations.

\* The Bachelor of Tourism 'Hospitality and Tourism Management' major has this unit as a Specified Elective, so these students will be permitted to enrol.

**Business Finance (MBS605; was MBS506)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD3-internal

KAPLAN-SGP: T2A-internal

SGP1: T2P-internal

This unit examines the financial management issues of a business entity. The tools used by financial managers are introduced and applied in a variety of long and short term financing and asset management contexts. Topics include financial mathematics, capital

budgeting, risk and return relationships, cost of capital and working capital management.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS513 Accounting for Managers or enrolment in the Master of Professional Accounting.

Co-requisite: Internet access if studying externally.

### Business Intelligence Tools and Techniques (ICT208)

Credit Points: 4

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

Business Intelligence (BI) is a set of outcomes aimed at facilitating better decision making through the analysis and presentation of organisational data to decision makers. This unit explores the tools and methods used in BI. Topics include: decision making, organisational data sources, data warehousing, data analysis, data and text mining, business performance management and BI presentation suites. Theories introduced are complemented by workshop sessions using various BI tools and techniques.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Some basic familiarity with spreadsheets and the Internet is assumed.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed ICT208 Commercial Computing may not enrol in this unit for credit.

### Business Processes, Accounting and Information Technology (BUS314)

Credit Points: 4

Not available 2011

This unit provides an understanding of business processes, how accounting fits into those business processes, and how technology impacts on the practice of accounting. This is achieved through various systems documentation techniques and practical application using different types of accounting software.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS217 Technology and Accounting Processes and ICT105 Introduction to Information Technology.

Co-requisite: Internet access if studying externally.

### Calculus and Matrix Algebra (MAS161)

Credit Points: 3

Murdoch: S2-internal, S2-external

Calculus and matrix algebra form the basis of the mathematical knowledge required to model physical, environmental, biological and engineering systems and investigate their behaviour. This unit assumes an understanding of the basic topics and develops them further. Vector and matrix operations, determinants, inverses and eigenvalues will be considered along with differentiation, integration, sequences and series, differential equations, introductory multivariable calculus and multiple integration. Applications will be considered, with computer algebra packages used to reduce tedious calculations and present results.

Lectures/tutorials/computer laboratories: 4 hours per week.

Prerequisites: M182/MAS182 Applied Mathematics or a final scaled of 55% or more in TEE Calculus or equivalent OR C grade or higher achievement in Mathematics: Specialist 3C/3D.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics

concurrently.

### Campaign Management (MCC307)

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This unit consolidates professional public relations skills through practical experience with a 'real life' organisation. Working in teams, students develop a public relations strategy or communication plan for a specific organisation over the course of the semester, culminating in a formal conference presentation to the organisation, students and mentors. Students learn about strategy development, client management, program research, planning, design and evaluation as well as budgeting and scheduling.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; student conference (all day).

Prerequisites: MCC204 Public Relations: Contemporary Approaches (or MCC204 Public Relations: Theory and Writing or MSC235 Public Relations: Principles and Writing Practice).

Exclusions: Students who have successfully completed MSC307 Media Planning and Promotion may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Campaign Management (MCC607; was MCC507)

As for MCC307 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in Honours or Postgraduate course.

Exclusions: Students who have successfully completed MCC507 Campaign Management may not enrol in this unit for credit.

### Cardiopulmonary Rehabilitation (CHI452)

Credit Points: 2

Murdoch: T1-internal

This unit will provide the student with an advanced understanding of cardiopulmonary assessment and cardiopulmonary rehabilitation techniques. The student will be provided advanced information concerning a cardiopulmonary disease and conditions that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with cardiopulmonary disorders.

Lectures: 1 hours; laboratories/workshops: 2 hours.

Prerequisites: The successful completion of all BSc Exercise Physiology core units from years 1 to 3.

### Case Reports (VET622)

Credit Points: 4

Murdoch: S1-external, S2-external

This unit represents the dissertation component of the degree and aims to develop professional writing skills. Literature search and Masters standard of case management and presentation is expected. Three reports involve cases candidates have managed. Two should demonstrate ability to diagnose and manage cases using a problem solving approach. The third, requires a review of relevant literature and should demonstrate ability to integrate wider reading into patient management; standard to be suitable for publication.

External.

*Prerequisites:* Enrolment in Master of Veterinary Studies in Small Animal Practice. Case Reports can only be taken by candidates who have passed or are currently enrolled in at least 12 points of Masters units, including two of the core Medicine or Surgery units.

*Co-requisite:* Internet access if studying externally.

### Case Studies of Renewable Energy Systems (PEC620; was PEC520)

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external, Y-external

Through a set of case studies of renewable energy systems the principles of innovation, project management, demonstration and commercialisation are developed. These studies include grid connected and remote area applications of the major renewable energy technologies. The unit also includes a review of the renewable energy industry, the financing of major projects and a discussion of evaluation methods for renewable energy projects.

*Lectures/tutorials:* 3 hours per week.

*Prerequisites:* M492/PEC490/PEC590 Energy Systems.

*Co-requisite:* Internet access if studying externally.

### Cattle and Camelid Medicine, Production and Surgery (VET455)

*Credit Points:* 3

*Murdoch:* S2-internal

The unit covers the diagnosis, treatment, prevention and control of diseases of cattle and camelids. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production in cattle. The general principles involved in the investigation of cattle herd problems are emphasised.

*Lectures:* 48 hours; *practicals:* 12 hours.

*Prerequisites:* Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

### Cell Biology (BIO152)

*Credit Points:* 3

*Murdoch:* S2-internal

This unit introduces components of cells, their synthesis, function and control mechanisms; demonstrates the integrated, controlled nature of the normal cell; and develops both manual and conceptual skills in biology. Topics: cell ultrastructure; proteins; enzymes; membranes; energy metabolism; oxidative phosphorylation; electron transport chains; photosynthesis; structure of DNA; transcription and the role of RNA in the cell; the genetic code; translation and the role of ribosomes; gene control; DNA synthesis; chromosomes and mitosis; meiosis; introduction to Mendelian genetics and cell specialisation.

*Lectures:* 3 hours per week; *laboratories:* 6 x 3 hour sessions per semester; *workshops:* 5 x 1 hour sessions per semester.

*Prerequisites:* A thorough knowledge of WACE Stage 3 Chemistry is assumed. Students who did not achieve a WACE course score of more than 60% in Stage 3 Chemistry (3ACHE and 3BCHE) within the three years immediately preceding enrolment are required to pass PEC140 Introduction to Chemistry before enrolling in this unit.

### Celtic Law and Society (LEG236)

*Credit Points:* 4

*Not available 2011*

This unit will introduce students to the role of Gaelic law in early medieval Irish society (AD 650 to 900). The native Irish legal system was remarkably advanced in many of its details, and the vernacular materials for its study are greater than those for any other medieval European legal system.

*Lectures:* 3 hours per week.

*Prerequisites:* Nil.

*LLB students should enrol in the higher-level version of this unit.*

### Celtic Law and Society (LAW436)

*As for LEG236 except:*

*Credit Points:* 4

*Not available 2011*

*Prerequisites:* Enrolment in the LLB or Juris Doctor.

### Changing Economies of Asia (BUS272)

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*KDUPJ:* S1K-internal

This unit involves a comparative examination of the development and economic performance of selected Asian economies. The spectacular performance of some Asian economies has shifted the world balance of economic power and has major implications for all trading nations. Topics covered include growth theories, the Asian economic crisis and its aftermath, government policy, export-led growth, financial markets, corporate governance, labour markets, the environment and income distribution.

*Lectures:* 2 hours per week; *tutorials:* 1 hour per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### Chemical Analysis (PEC240)

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

Determining the chemical constituents of complex solutions, foods, materials and soil samples all require the use of chemical analysis. This unit will provide students with a sound grasp of the fundamental principles underlying modern analytical chemistry and provides instruction in sample presentation, obtaining quality data and the use of wet chemical, separation, spectroscopic and electrochemical techniques. Students are trained in laboratory techniques frequently used in chemical, environmental, and forensic analysis, enabling them to solve practical analytical problems in many contexts.

*Lectures/workshops:* 4 hours per week; *laboratories:* up to 4 hours per week.

*External:* compulsory 5 day on-campus laboratory session.

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.*

*Prerequisites:* PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed PEC240 Analytical Chemistry or BIO251 Analytical and Food Chemistry may not enrol in

this unit for credit.

### Chemical Laboratory Techniques (PEC143)

Credit Points: 3

Murdoch: S2-internal

This unit introduces techniques which emphasise analytical and synthetic chemical procedures used in industrial, environmental and chemical analytical laboratories. Students will be given formal training in OHS issues such as storage, transport and handling of chemicals and other hazards in scientific laboratories. Routine error analysis of experimental results and laboratory report writing skills are developed.

Laboratories/tutorials/lectures: 6 hours per week.

*Prerequisites:* A thorough knowledge of WACE Stage 3 Chemistry is assumed. Students who did not achieve a WACE course score of more than 60% in stage 3 Chemistry (3ACHE and 3BCHE) within the three years immediately preceding enrolment are required to pass PEC140 Introduction to Chemistry before enrolling in this unit.

### Chemical Principles (PEC144)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit provides a foundation in the principles of general chemistry relative to the study and practice of the physical, biological, biomedical, environmental and marine sciences. Content: bonding, solubility and solution chemistry (including acid-base and redox reactions), thermodynamics and reaction kinetics, topics in organic chemistry and inorganic chemistry. The laboratory section contains practical exercises that support the material presented in lectures and develops competent and safe working practices.

Lectures/tutorials/workshops: a total of 4 hours per week; laboratories: 3 hours per week for a maximum of 8 weeks.

*External:* compulsory attendance at a 4-day on-campus laboratory session.

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.*

*Prerequisites:* A thorough knowledge of WACE Stage 3 Chemistry is assumed. Students who did not achieve a WACE course score of more than 60% in Chemistry 3A/3B within the three years immediately preceding this enrolment are required to pass PEC140 Introduction to Chemistry before enrolling in this unit.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed PEC114 Chemistry for Biological Sciences, PEC115 Chemistry for Environmental Sciences, PEC116 Chemistry for Physical Sciences may not enrol in this unit for credit.

### Chemical Processes (PEC247)

Credit Points: 4

Murdoch: S1-internal, S1-external

Chemical phenomena underlie nearly all industrial, ecological and medical processes. Understanding the theoretical foundations of the chemical phenomena allows understanding, prediction and manipulation of these diverse processes. This unit introduces a number of important topics that contribute to processes including reactions in gases and liquids, surfaces and reactions at surfaces and chemical kinetics. Examples are drawn from catalytic, biological, industrial processes and 'green' chemistry.

Lectures/workshops: up to 4 hours per week; laboratories: up to 4 hours per week.

*External:* compulsory 5-day on-campus laboratory session.

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.*

*Prerequisites:* PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles; MAS182 Applied Mathematics or MAS161 Calculus and Matrix.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed PEC247 Physical and Inorganic Chemistry or PEC317 Physics of Materials may not enrol in this unit for credit. Chemistry and Extractive Metallurgy major students who wish to also complete the requirements for a Physics major should consult the Physics Academic Chair.

### Children and Adolescent Health (NUR303)

Credit Points: 4

Peel: S1-internal

This unit addresses the interrelationship of physiological and psychological processes in infants, children and adolescents. It includes nursing care approaches, skills and competencies relevant to the well and sick infants, children and adolescents, acute and chronic physical conditions and the impact on family dynamics with relevance to child's stage of development. Students will demonstrate knowledge and competencies from this unit in a structured clinical practice.

Lectures: 2 hours per week; workshop: 2 hours per week.

*Prerequisites:* NUR225 Medical and Surgical Nursing II - Clinical Placement. Students should note that NUR225 has a prerequisite of completion of Part I Nursing units, NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR203 Medical and Surgical Nursing I, NUR223 Medical and Surgical Nursing 1 - Clinical Placement and NUR205 Medical and Surgical Nursing II.

### Children and Adolescent Health - Clinical Placement (NUR333)

Credit Points: 1

Peel: W-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within a paediatric/adolescent setting. Students will be allocated to a clinical placement under the supervision of a preceptor and clinical nurse educator and will utilise an objective student professional performance tool based on ANMC competencies.

*Clinical Practicum:* 8 hours per day for 10 days (80 hours) within the allocated placement period.

*Prerequisites:* NUR303 Children and Adolescent Health. Students who have not completed NUR303 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR303 has a prerequisite of completion of Part I Nursing units, NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR202 Fundamentals of Pathophysiology and Pharmacology II, NUR203 Medical and Surgical Nursing I, NUR223 Medical and Surgical Nursing 1 - Clinical Placement, NUR205 Medical and Surgical Nursing II and NUR225 Medical and Surgical Nursing II - Clinical Placement.

*Co-requisite:* Internet access if studying externally.

A result of Ungraded Pass or Fail is awarded for this unit.

### Children and Adolescent Health - Clinical Placement (NUR333-1)

**As for NUR333 except:**

Credit Points: 2

Not available 2011

Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Students enrolled in the Bachelor of Nursing prior to 2010, should enrol in NUR333 Children and Adolescent Health - Clinical Placement as well as NUR332 Maternal and Newborn Health - Clinical Placement.

A result of Ungraded Pass or Fail is awarded for this unit.

**Children and the Law (LEG246)**

Credit Points: 4

Murdoch: S1-internal

This unit is designed to consider the interaction between the law and children. The unit will cover a range of topics which may include any of the following: an historical perspective on children in the legal system, indigenous children, child development theory, children's rights, juvenile justice and the criminal responsibility of children, care and protection, adoption, education rights and responsibilities, employment, property ownership and succession issues, civil liability, legal representation of children, children as witnesses and medical procedures involving children.

Lectures/seminars: up to 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

**Children and the Law (LAW246)****As for LEG246 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in the Bachelor of Laws or Juris Doctor; L170/LEG170 or LAW150/LEG150 or permission of the Unit Coordinator and Academic Chair.

Exclusions: LLB or Juris Doctor students may not enrol in LEG246 Children and the Law for credit.

**Children and the Media (MCC321; was MED321)**

Credit Points: 4

Murdoch: S2-internal

What is the meaning of childhood in the contemporary world? How can we begin to answer that question in relation to the media: television, film, animation, radio, advertising, books, and the Internet? This unit provides a conceptual basis from which to approach the cultures of childhood, and the ways in which they connect to the technologies of everyday life. Students will be encouraged to develop their own projects, supported by lectures, tutorial-workshops, and structured field work on and off campus.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed MED321 Children and the Media are not eligible to enrol in this unit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Children and the Media (MCC621; was MCC521/MED521)****As for MCC321 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MCC521 Children and the Media may not enrol in this unit for credit.

**Children's Literature in the Classroom (EDN201)**

Credit Points: 4

Murdoch: S2-external

Rockingham: S2-internal

This unit seeks to encourage students to become familiar with a wide range of quality children's literature (K to 10 and beyond) including classic texts, contemporary texts, texts from world cultures. This unit provides students with opportunities to gain an understanding of key aspects of literary theory and supports students in applying this knowledge in planning teaching and learning activities for the literacy classroom.

Lectures/workshops: 3 hours per week.

External: No attendance required.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Children's Literature in the Classroom (EDN401)****As for EDN201 except:**

Credit Points: 4

Murdoch: S2-external

Rockingham: S2-internal

Prerequisites: Co-requisite: Internet access if studying externally.

**Children's Theatre (EGL213)**

Credit Points: 4

Murdoch: S1-internal

What are the requirements for a successful theatrical performance when the audience comprises children in the primary school? This production-based unit answers this question theoretically and practically and offers students a range of workshop opportunities through which to develop their skills, whether as actors, designers, stage-managers, set-builders, musicians or lighting and sound technicians. Aim: to develop an ensemble of skilled theatre practitioners whose learning processes result in the public performance of an original script for an audience of young people.

Workshops: 3 hours per week; rehearsals and performance: as required.

Prerequisites: Nil.

**Chinese Business (BUS243)**

Credit Points: 4

Murdoch: S1-internal, S1-external

The unit introduces Chinese business culture with reference to Chinese philosophical and cultural attitudes as they apply to business conduct, in particular to Guanxi. The unit also involves case studies in management, advertising, marketing, finance as well as industry in China.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Chinese Contract and Commercial Law (LAW322)**

Credit Points: 4

CITYUHK: S1D-internal

This unit will consider the changes to contract laws and commercial laws in the People's Republic of China. The development of these laws is fundamentally important to China's participation in the global economy and to foreign companies interested in collaborating and co-operating with Chinese businesses.

Lectures: Taught intensively over 36 hours in January of each year, with final assessments due by end of semester 1.

Prerequisites: Enrolment in the LLB or JD.

Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses. Contact the School of Law for further information.

**Chinese Contract and Commercial Law (LLM522; was LAW322)****As for LAW322 except:**

Credit Points: 4

CITYUHK: S1D-internal

Taught intensively over 36 hours in January of each year, with final assessments due by end of semester 1.

Prerequisites: Enrolment in the Postgraduate Certificate in Chinese Law.

**Chinese Economy (BUS234)**

Credit Points: 4

Murdoch: S2-internal, S2-external, SB4-internal

China's modernisation will launch it into global market dominance in the 21st century, perhaps overtaking the United States by 2030. This unit investigates the path taken by China to reach its current status, and looks ahead at its potential to become a global superpower. Topics: China's economic policies; economic growth; labour markets; foreign trade and investment; foreign exchange and financial markets; manufacturing industries; post-WTO economic reforms; multinational business experiences.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Recommended: BUS161 Introduction to Economics.

No knowledge of the Chinese language is required.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

**Chinese Economy (MBS593)**

Credit Points: 4

Murdoch: W-internal, W-external

China is now the second largest economy in the world. This unit examines the success of China's post-1949 economic policies, and how these policies will propel it to become a major industrial and diplomatic power this century. The unit analyses the financial system, as well as China's trade and foreign relations, together with a number of other economic markets within the Chinese economy. The problems and opportunities facing foreign business persons in the China market are also considered.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for winter term.

Prerequisites: Enrolment in a postgraduate-level course. No knowledge of the Chinese language is required for this unit.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed H293/H479 Chinese Economy may not enrol in this unit for credit.

**Chinese Intellectual Property Laws in the Global Context (LAW374)**

Credit Points: 4

CITYUHK: S1D-internal

Intellectual property is one of the most debated legal issues in the world. It is of the highest-level importance in today's China where innovation and knowledge-based economy are quickly becoming a priority. This unit surveys the impact of the global IP systems on the reform of China's intellectual property law, China's role in the global intellectual property framework as a developing nation, and the roles of intellectual property law in developing China into a leading innovation-based economy.

Lectures: Taught intensively over 36 hours in January of each year, with final assessments due by end of Semester 1.

Prerequisites: Enrolment in the Bachelor of Laws or Juris Doctor.

Exclusions: Students who have successfully completed the unit LAW318/LLM518 International Intellectual Property Law offered at Zhengzhou or CITYUHK cannot enrol in this unit for credit.

Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares.

**Chinese Intellectual Property Laws in the Global Context (LLM574)****As for LAW374 except:**

Credit Points: 4

CITYUHK: S1D-internal

Prerequisites: Enrolment in the Postgraduate Certificate in Chinese Law.

Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

**Chiropractic Biochemistry (CHI281)**

Credit Points: 4

Murdoch: S1-internal

Knowledge of intermediary metabolism and molecular biology is central to the understanding of the normal healthy metabolic state in humans, from which the disturbances in metabolism associated with disease and principles of treatment can be better appreciated. The unit emphasises the conceptual understanding of metabolism and metabolic principles will be used as a foundation for basic human nutrition.

Lectures: 4 hours per week; practical/tutorials: 3 hours per week.

Prerequisites: Enrolment in Chiropractic and completion of Part I units.

Exclusions: Students who have successfully completed N270/BIO270 Biochemistry I or V261/BMS261 Human and Comparative Biochemistry may not enrol in this unit for credit.

**Chiropractic History and Principles (CHI210)**

Credit Points: 2

Murdoch: S1-internal, SUM-external

This unit introduces students to the Learned Professions, of which the chiropractic profession is part, within the context of the 19th and 21st century health care system. The unit explores chiropractic/medical relations and factors contributing the turbulent nature thereof. It also examines various types of doctor/patient relationships including: doctor centred care and patient centred care.

Tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed CHI109 Chiropractic Skills and Principles I may not enrol in this unit for credit.

Enrolment in this unit requires the permission of the Academic Chair.

### Chiropractic Skills and Principles I (CHI109)

Credit Points: 3

Murdoch: S1-internal

An introduction to the Learned Professions, of which the chiropractic profession is part, within the context of the nineteenth and twenty-first century health care system. The unit explores chiropractic/medical relations and factors contributing the turbulent nature thereof. It examines various types of doctor/patient relationships including: doctor-centred care and patient-centred care. Practical sessions develop the students' psychomotor skills in palpation by exploring surface anatomy and joint palpation. Basic health, physical examination and fitness assessments are introduced.

Lectures: 2 hours per week; tutorials: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: Nil.

Exclusions: CHI124 Principles of Sports Science.

### Chiropractic Skills and Principles II (CHI309)

Credit Points: 4

Murdoch: S2-internal

Builds on CHI109, CHI209 and CHI302, with emphasis on the development of chiropractic adjusting skills. Research a range of adjusting techniques in preparation for critical analysis and class discussion through a series of seminars. Practical sessions further refine psychomotor skills essential for the most commonly utilised spinal and extremity adjusting techniques. The pathological process of disease is discussed as it relates to conditions of the extremities.

Lectures: 4 hours per week; practicals: 4 hours per week; workshops: 1 hour per week.

Prerequisites: Enrolment in Chiropractic and successful completion of CHI209 Biomechanics and Diagnostic Palpation Skills, CHI302 Diagnosis and Chiropractic Skills, CHI303 Primary Practice I: Clinical Science and Diagnosis.

### Chiropractic Skills and Principles III (CHI409)

Credit Points: 2

Murdoch: T1-internal

This unit integrates the students' chiropractic technique, soft tissue treatments, and rehabilitation skills for various neuromusculoskeletal conditions. Various chiropractic technique alternatives will be introduced in an evidence based context. Students will further develop their foundation in manual skills and soft tissue treatments leading to better proficiency and competency. Students will develop an understanding of patient and case management for typical disorders seen in practice. The theory component will introduce students to major orthopaedic and neurological conditions affecting infants and children.

Lectures: 2 hours per week; practical laboratories: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and successful completion of Bachelor of Science (Chiropractic), CHI301 Processes in Human Disease, CHI302 Diagnosis and Chiropractic Skills, CHI303 Primary Practice I: Clinical Science and Diagnosis, CHI304 Clinical Orthopaedics and Neurology, and CHI309 Chiropractic Skills and Principles II.

### Christian Ethics (THE267)

Credit Points: 4

Murdoch: S2-internal, S2-external

An introduction to the principal patterns of theological reflection on the moral dimension of life and their relation to moral philosophy. Particular attention will be given to the ideas of natural law, the will of God, conscience and responsibility, and to the ethical significance of faith, hope and love. Moral issues of continuing and current concern will be considered in the light of the different patterns of thought and ideas, especially in the tutorial sessions.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Christianity in Asia (THE489)

Credit Points: 4

Murdoch: S2-internal, S2-external

Focuses on the historical interaction between Christianity and Asian cultures and peoples from the seventh century to the twentieth century. Theme: encounter; i.e., between eastern and western Christianity and the different cultures, faiths and peoples in Asia during these fourteen centuries. Topics: Nestorian missions to China and India in the seventh century; Catholic missions during the sixteenth century to India, SE Asia, China and Japan; and Protestant missions from the nineteenth century with particular reference to the British empire.

Lectures/seminars: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Any 200-level Asian studies, history or church history unit.

Co-requisite: Internet access if studying externally.

### Christianity in Asia (THE589)

As for THE489 except:

Credit Points: 4

Murdoch: S1-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Christology (THE258)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores how Christian theology came to make various affirmations concerning the person and work of Jesus Christ. The unit covers biblical texts, philosophical frameworks and Christological controversies in the early Church. Building on this foundation, the unit will proceed to explore the way in which key figures in the history of theology understood the person and work of Jesus Christ, and some exemplary approaches offered by contemporary theologians.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Recommended: S107/THE107 Thinking Theology.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S258/THE258 Christian Understandings of God may not enrol in this unit for credit.

### Church, Ministry and Sacraments (THE263)

Credit Points: 4

Not available 2011

This unit will examine historical and contemporary Christian thinking about the nature of the church as a social reality and an object of faith, the theology and practice of ministry, ordained and unordained, and the nature of the sacraments, especially baptism

and eucharist.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Highly recommended: S107/THE107 Introduction to Theology or S102/THE102 The New Testament and Its World.

### Circuits and Systems I (ENG125)

Credit Points: 3

Murdoch: S2-internal

This unit provides the necessary skills for the analysis of direct current (DC) electrical circuits and systems. In particular it is concerned with the study of fundamentals of electricity, DC circuits, nodal and mesh analysis, superposition and linearity, network laws and theorems, capacitors and inductors, operational amplifiers and their applications, basic RL, RC and RLC circuits and associated natural and forced responses.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: MAS182 Applied Mathematics. Corequisite: MAS161 Calculus and Matrix Algebra.

### Circuits and Systems II (ENG243)

Credit Points: 4

Murdoch: S1-internal

This unit provides the necessary skills for the analysis of alternating current (AC) electrical circuits and systems. In particular, it is concerned with the steady-state analysis of circuits with sinusoidal excitation, the different types of power associated with AC circuits, three-phase circuits, magnetically coupled circuits, frequency response, resonance, bandwidth, two port networks, and principles of electromechanics.

Lectures: 3 hours per week; laboratories: 3 hour session per week; workshops: 2 hours per week.

Prerequisites: ENG125 Circuits and Systems 1; MAS161 Calculus and Matrix Algebra.

Exclusions: Students who have successfully completed G126/ENG126 Engineering Electrics may not enrol in this unit for credit.

### Cities and Innovation (STP330)

Credit Points: 4

Murdoch: S2-internal, S2-external

Presents new thinking on how cities are performing in the global economy; examines policies to improve the innovative capacity of regions, cities and companies; explores the impact of intensified economic competition on ordinary citizens. Topics: cities in the global knowledge economy, national and regional systems of innovation; 'place marketing' and competition between cities; social capital and social exclusion; inequalities between and within cities; creativity and culture in city revitalisation; economic development and environmental sustainability; local and community economic development.

Seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Cities and Innovation (STP630; was STP530)

As for STP330 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Cities and Sustainability (STP220)

Credit Points: 4

Murdoch: S1-internal, S1-external

Cities around the world are grappling with problems of automobile dependence, urban sprawl and environmental quality. This unit involves an integrated approach to understanding and changing cities based on a theme of sustainability. Topics: town planning, transport planning, environmental planning, social planning, natural resource management, infrastructure planning and management. The interplay between city technology, professional practice and community values. A case study focus on cities that have used sustainability to reduce automobile dependence and its associated problems.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S571 Cities and Physical Planning Policy may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Cities and Sustainability (STP623; was STP523)

As for STP220 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Civil Procedure (LAW350)

Credit Points: 4

Murdoch: S1-internal

This unit covers the rules of civil procedure in Western Australia, including jurisdiction of Western Australian courts, commencement of proceedings and service of process, pleadings, discovery and other interlocutory proceedings, judgement (including enforcement), appeals, costs and alternatives to litigation.

Lectures: 4 hours per week. Up to 6 hours of drafting workshops; these may be held as a full-day session on a weekend during the semester. Date(s) of drafting workshops will be advised in the first lecture.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, L258/LAW258 Australian Administrative Law, L259/LAW259 Constitutional Law, L253/LAW253 Property, L252/LAW252 Evidence. Students are advised that this unit should be taken in the last year of enrolment.

### Climate Change Adaptation: Policy and Practice (STP380)

Credit Points: 4

Murdoch: S2-internal, S2-external

The consequences of climate change are increasingly felt at regional, national and local scales, and already adaptation strategies have begun to spell out the changes needed to cope. This unit explores the areas in which adaptation will be required and how strategies are developed. It uses case studies from a variety of sectors and countries to provide a broad understanding of approaches which can assist us to meet the challenges posed by climate change.

Lectures: 1 hour per week; tutorials: 1 hour per week; workshops: 1



hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Climate Change Adaptation: Policy and Practice (STP680)**

**As for STP380 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a Postgraduate course.

Co-requisite: Internet access if studying externally.

### **Climate Sensible Home Design (PEC672; was PEC472)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit considers the principles and practice of designing houses that are suited to the local climate anywhere in the world. It discusses the approach to design, the choice of materials and construction methods and the selection of appliances for passive solar housing.

*This unit involves a compulsory short course of 1 week duration held in Perth in June/July of each year, followed by on-line instruction in Semester 2.*

Prerequisites: PEC470/PEC670 Energy Efficient Building Design and enrolment in the Master of Science in Environmental Architecture.

Co-requisite: Internet access if studying externally.

### **Clinical and Corporate Governance (NUR641)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Provides students with an overview of clinical and corporate governance and the components of each. Corporate Governance will examine the role of Boards, Executive and Management teams while Clinical Governance will explore areas such as credentialling, re-credentialling, scope of practice, appropriateness to demonstrate effective and safe delivery of health care.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### **Clinical Diagnosis (CHI2642)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

### **Clinical Documentation for Quality and Safety (NUR643)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Comprehensive clinical documentation enables effective care planning, continuity of care and treatment, the allocation of correct DRGs, or aged care classification code and for use in medico legal cases. It will also explore the increasing requirement for the use of multidisciplinary approach and the requirements for effective documentation, including evaluation tools. This unit will be of particular interest to clinicians and health information professionals.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### **Clinical Experience of Treating Sports Injuries (CHI688)**

Credit Points: 4

Murdoch: H-external, Y-external

This unit allows the student an opportunity to gain practical experience specific to their interest in either the clinical practice or in work place learning placement within their chosen field. To acquire the practical experience the student must log 100 observations of relevant practical experiences either in the clinical practice setting or within a workplace learning placement offered by organisations/employers within industry. This unit will require a written case series of observations and client management.

External.

Prerequisites: It is a requirement that the proposed practice experience is approved by the Unit Coordinator and Academic Chair of postgraduate courses. Enrolment in the Master of Neuromusculoskeletal

Rehabilitation including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Sports Chiropractic, or their equivalents.

Co-requisite: Internet access if studying externally.

### **Clinical Legal Education (LAW390)**

Credit Points: 8

Murdoch: DE2-internal (quota of 20 places), UW3-internal (quota of 20 places)

Students in this unit participate in a clinical program focused on active involvement at the SCALES community legal centre in Rockingham. Students will put their knowledge and skills into practice while assisting the community, and will develop professional commitment and ethical standards. Students also have an opportunity to assess the adequacy of law and legal processes in context. Under supervision of legal practitioners, students will see real clients and take responsibility for client files.

Seminars: 2 hours per week on campus; 1 full day attendance at the Law Clinic and otherwise as required.

Contact times will vary, contact Unit Coordinator for further information.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L130/LAW130 Criminal Law and Procedure, L152/LAW152 Torts.

Students taking the 4-point version (Summer) should enrol in LAW3901/LLM5901; students taking the 8-point version should enrol in LAW390/LLM590.

This unit is subject to quota. Quota is due to limited resources. Preference may be given to students in their final year.

### **Clinical Legal Education (LAW390-1)**

**As for LAW390 except:**

Credit Points: 4

Murdoch: SPA1-internal (quota of 20 places)

This unit is subject to quota. Quota is due to limited resources. Preference may be given to students in their final year.

### **Clinical Nutrition (CHI2632)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

**Clinical Orthopaedics and Neurology (CHI304)**

Credit Points: 4

Murdoch: S2-internal

This unit builds on prior diagnosis units with emphasis on the development of evaluative processes to distinguish between the variety of underlying causes that may be associated with case history, physical and special examination findings. Small group/tutorial discussion and resolution of clinical presentations will emphasise orthopaedic and neurological evaluation of the patient and development of the working diagnosis. A radiology stream pertaining to osseous and articular trauma and infectious diseases of bone will be incorporated.

Lectures/workshops: 4 hours per week; practicals (small groups): 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2 and CHI301 Processes in Human Disease.

**Clinical Pathology (VET6210)**

Credit Points: 4

Murdoch: S2-external (quota of 10 places)

The principal objective of this unit is to develop interpretative skills in diagnostic haematology, cytology and clinical biochemistry. The first part is devoted to haematology and cytology with a practical, microscopic component. The second part emphasises problem-orientated selection and interpretation of laboratory tests with the focus on interpretative biochemistry.

This is an external unit.

Prerequisites: Enrolment in the Master of Veterinary Studies or enrolment in Postgraduate Certificate in Veterinary Studies in Small Animal Practice.

Co-requisite: Internet access if studying externally.

This unit is subject to quota. In addition to quota, a minimum of 10 enrolments are required for this unit to proceed.

**Clinical Practice Transition Options (NUR398)**

Credit Points: 2

Not available 2011

Students will demonstrate learned knowledge, essential nursing skills and competencies within a clinical placement chosen by the student. Students will be allocated to a clinical placement under the supervision of a preceptor and clinical nurse educator and will utilise an objective student professional performance tool based on ANMC competencies.

Final clinical placement: 8 hours x 20 days (160 hours).

Prerequisites: Co-requisite: NUR336 Transition and Leadership in the Nursing Profession. Students should note that NUR336 has a prerequisite of completion of all core 100- and 200-level units and NUR302 Maternal and Newborn Health, NUR303 Children and Adolescent Health and NUR305 Nursing Specialities.

Co-requisite: Internet access if studying externally.

This unit should be taken in the final teaching period.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practice Transition Options (NUR398)****As for NUR398 except:**

Credit Points: 1

Peel: DE9-external

Prerequisites: Co-requisite: Internet access if studying externally.

Students enrolled in BNursing commencing pre-2010, should enrol in NUR3981 concurrently with their final semester of core units.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum (CHI584)**

Credit Points: 12

Murdoch: Y1-internal

The core of students' clinical training. Students engage in supervised, active patient care in the University's outpatient clinic. Participation in clinical rounds where special interest topics and cases will be discussed; these are designed to enhance critical thinking skills and facilitate the application of the concepts of best practice, while providing teaching opportunities. Students complete rotations in radiology, rehabilitation, physiological therapeutics and front desk management. In the latter part of the year students serve as mentors for fourth year students.

Clinic duties/clinical rounds/rotations: 20 hours per week; lectures: 1 hour; workshops: 1 hour.

Prerequisites: Enrolment in BSc/BChiro and successful completion of years 1 to 4 and the Clinic Entrance Assessment.

**Clinical Practicum I (CHI2651)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum II (CHI2652)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic; CHI2651 Clinical Practicum I.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum III (CHI2653)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic; CHI2651 Clinical Practicum I, CHI2652 Clinical Practicum II.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum IV (CHI3651)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic; CHI2651 Clinical Practicum I, CHI2652 Clinical Practicum II, CHI2653 Clinical Practicum III.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum V (CHI3652)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic; CHI2651 Clinical Practicum I, CHI2652 Clinical Practicum II, CHI2653 Clinical Practicum III, CHI3651 Clinical Practicum IV.

A result of Ungraded Pass or Fail is awarded for this unit.

**Clinical Practicum VI (CHI3653)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic. CHI2651 Clinical

Practicum I, CHI2652 Clinical Practicum II, CHI2653 Clinical Practicum III, CHI3651 Clinical Practicum IV, CHI3652 Clinical Practicum V.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Developmental Disabilities (PSY567)**

Credit Points: 3

Murdoch: S2-internal

This unit covers the theory and practice of professional work with children and adults with developmental disabilities, including instructional and behavioural programming, and behavioural consultation and training for parents, teachers and other professionals. The focus is on an evidence-based service delivery model based on the principles of Applied Behaviour Analysis and Positive Behavioural Support.

Lectures: 3 hours per week.

Prerequisites: Enrolment in M App Psych, D Psych, or M App Psych/PhD Clinical Streams.

### **Clinical Psychology: External Practicum (PSY604; was PSY504)**

Credit Points: 12

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars in professional, practical and methodological issues.

Practical placements: 108 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: Enrolment in MAppPsych (Clinical) or MAppPsych (Clinical)/PhD; successful completion of PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) and PSY538 Clinical Psychology: Internal Practicum (Adult).

Students are able to enrol in variable points in this unit to allow for the possibility that practica may straddle two calendar years.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Internal Practicum (Adult) (PSY538)**

Credit Points: 3

Murdoch: SUM-internal, Y-internal

Placements are normally in the Murdoch Psychology Clinic. Placements will give students experience in various forms of investigation and intervention presently practised in clinical psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. This unit was previously called Applied Psychology Practical Placements I: Clinical Stream.

Practical placements: 9 months at 1 day per week or equivalent.

Prerequisites: Enrolment in MAppPsych (Clinical), DPsych (Clinical) or MAppPsych (Clinical)/PhD; concurrent enrolment in PSY569 Psychotherapy in Practice; and concurrent enrolment with, or successful completion of, PSY565 Clinical Psychology: Working with Adults, PSY564 Clinical Psychology: Working with Children and Families and PSY562 Psychological Assessment: Theory and Method.

Exclusions: Students who have successfully completed PSY561 Clinical Psychology: Internal Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Internal Practicum (Child, Youth and Family) (PSY537)**

Credit Points: 3

Murdoch: SUM-internal, Y-internal

Placements are normally in the Murdoch Psychology Clinic. Placements will give students experience in various forms of investigation and intervention presently practised in clinical psychology. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to health care, education and social problems. This unit was previously called Applied Psychology Practical Placements I: Clinical Stream.

Practical placements: 9 months at 1 day per week or equivalent.

Prerequisites: Enrolment in MAppPsych (Clinical), DPsych (Clinical) or MAppPsych (Clinical)/PhD; concurrent enrolment in PSY569 Psychotherapy in Practice; and concurrent enrolment with, or successful completion of, PSY565 Clinical Psychology: Working with Adults, PSY564 Clinical Psychology: Working with Children and Families and PSY562 Psychological Assessment: Theory and Method.

Exclusions: Students who have successfully completed PSY561 Clinical Psychology: Internal Practicum may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Clinical Psychology: Working with Adults (PSY565)**

Credit Points: 3

Murdoch: S1-internal

This unit will consist of lectures and seminars covering the assessment, etiology, formulation and treatment of common psychological problems in adults. In addition to teaching a broad conceptual framework, commonly encountered specific disorders will be discussed with an emphasis on developing an understanding of the phenomena from psychological research and the unique experiences of the individual. Topics include anxiety, anger, depression, personality disorders, psychotic disorders, and eating disorders.

Lectures: 3 hours per week.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Psychology: Working with Children and Families (PSY564)**

Credit Points: 3

Murdoch: S1-internal

Includes critical examination of theories and interventions applicable to psychological problems of childhood and adolescence. Students will gain knowledge and skills in diagnoses of, and applying interventions to, a range of child and adolescent presentations including anxiety, depression, elimination disorders, conduct and behaviour problems, suicide and self-harm. Cognitive, behavioural, and systemic interventions will be examined and principals from attachment and developmental theory will be incorporated. Professional and ethical issues specific to child and adolescent populations will also be examined.

Seminars/practicals: 3 hours per week.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Psychology: Working with Health Problems (PSY502)**

Credit Points: 3

Murdoch: S2-internal

This unit will introduce students to biopsychosocial models of health from a behavioural medicine perspective. Psychological influences on infectious disease, cancer, cardiovascular disease and



chronic pain, and the psychological management of these problems, will be addressed.

Lectures: 3 hours per week.

Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD.

### **Clinical Radiology (CHI420)**

Credit Points: 2

Murdoch: T2-internal (quota of 70 places)

This unit completes the clinical radiology components of the course, covering topics such as neoplasm and other diseases of bone and soft tissues.

Lectures: 2 hours per week; practical laboratories: 2 hours per week.

Prerequisites: Successful completion of BSc(Chiropractic) or permission of the Academic Chair.

This unit is subject to quota.

### **Coastal and Marine Management (ENV381)**

Credit Points: 4

Murdoch: S2-internal (quota of 60 places)

This unit explores current coastal and marine management issues and practices by focusing on the diverse habitats represented along the Western Australian coastline. Emphasis is placed on the use of spatial data and Geographical Information Systems (GIS) technology. Practicals include mapping of beaches, detection and monitoring of coastal change using remote sensing imagery, and GIS applications for coastal resource inventories, habitat mapping and assessment of vulnerability in planning for coastal development.

Lectures: 2 hours per week; practical work: 3 hours per week.

Prerequisites: ENV213 Atmospheric Science, ENV268 Ecology, ENV282 Oceanography and Marine Pollution and BIO384 Marine and Estuarine Biology.

This unit is subject to quota. Quota is due to limited laboratory space. Selection is based on academic achievement in ENV282 Oceanography and Marine Pollution.

### **Collaborative Learning, Creativity and Motivation (EDU447)**

Credit Points: 4

Murdoch: S1-external

This unit examines the theory, principles and practices of collaboration and motivation in teaching and learning. Current research will inform participants' understandings about how collaboration, creativity and motivation are paramount in optimising student engagement and achievement in primary, secondary and tertiary learning contexts. Participants will have the opportunity to critically reflect on collaborative and motivational practices in learning environments and develop ways of implementing and evaluating effective practice.

Prerequisites: EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or EDU245 Learning and Assessment Processes or EDU240 Facilitating Lifelong Learning or permission from the Unit Coordinator.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed EDU447/647 Collaborative Learning and Teaching may not enrol in this unit.

### **Collaborative Learning, Creativity and Motivation (EDU647)**

### **As for EDU447 except:**

Credit Points: 4

Murdoch: S1-external

Prerequisites: Enrolment in a Postgraduate course.

Co-requisite: Internet access if studying externally.

### **Commercial Banking (BUS326)**

Credit Points: 4

Murdoch: S2-internal

SGP1: T2B-internal

Overview of functions and objectives of commercial banking. Assets, liability and liquidity management; interest rate management and bank lending instruments will be covered in the course. Derivative securities salient to financial intermediation, loan commitments and securitisation will also be examined.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224 Corporate Finance or BUS244 Treasury Management.

### **Commercial Law (LAW332)**

Credit Points: 4

Murdoch: S2-internal

The unit aims to introduce students to principal areas of commercial law common in legal practice. Possible topics include sale of goods; bailment; consumer protection under the Trade Practices Act 1974 (Cth); and the law of agency.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

### **Communication Management: Professional Perspectives (MCC683)**

Credit Points: 8

Not available 2011

This unit exposes students to leading edge information and case studies presented by visiting professionals from the media and communication industries. The focus is on the experience of managing mediated communication in different international and organisational contexts. It examines the corporate and entrepreneurial challenges associated with communicating creatively across multiple media platforms.

Taught in intensive mode equivalent to 1 hour lecture and 2 hours seminar per week from end of November to end of January.

Prerequisites: Enrolment in the Master of Arts in Communication Management.

### **Communication Projects (MCC316; was MED316)**

Credit Points: 4

Murdoch: S1-internal (quota of 30 places), S2-internal DUBAI-ISC: N2-internal

This unit allows students to apply their theoretical learning to an authentic communication task in order to develop high-level communication management skills. Students may participate in a client or educator-led project under the supervision of an academic member of staff. Students may work individually or as a member of a team. The precise nature of the project and the assessment requirements are negotiated with the Unit Coordinator.

Lectures: 1.5 hours per week; tutorials: 1.5 hours per week. Note: tutorials begin in week 1.

*Prerequisites:* Permission of the Unit Coordinator.

*Exclusions:* Students who have successfully completed MED316 Radio Project may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity. Selection is based on grades achieved in prerequisites. Preference will be given to students in Journalism (BCommun) or Minor in Radio.

### **Communication Projects (MCC616; was MED516)**

**As for MCC316 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S2-internal

*Exclusions:* Students who have successfully completed MED516 Radio Project may not enrol in this unit for credit.

This unit is not subject to quota.

### **Communication Research (MCC213)**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

DUBAI-ISC: N1-internal

KAPLAN-SGP: T2A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

This unit introduces students to contemporary approaches within communication research, both quantitative and qualitative. Attention is given to methods most applied in the professional contexts of public relations. The unit aims to ensure students are able to differentiate and evaluate communication methods, can develop a research proposal and are familiar with modes of data analysis and management. Students should gain in-depth knowledge about both communication research and methodology.

*Lectures:* 1 hour per week; *tutorials:* 1.5 hours per week.

*Prerequisites:* MCC108 Introduction to Communication and Media.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have completed MSC110 Media Research Methods are not eligible to enrol in this unit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Communication Research (MCC513; was MCC413)**

**As for MCC213 except:**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

*Prerequisites:* Enrolment in Honours or Postgraduate course.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed MCC413 Communication Research may not enrol in this unit for credit.

### **Community and Social Policy (COD355)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit aims to equip students with an understanding of social policy. It will assist students to grasp the policy context that shapes social and community work. The unit focuses on the intersection between social policy and community engagement in a bid to explore how social issues make it onto the policy agenda. Students will be encouraged to consider concepts such as social justice, equity, reciprocity and welfare and how these are interpreted at a social policy level.

*Lectures/workshops:* up to 3 hours per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### **Community and Social Policy (COD655; was COD555)**

**As for COD355 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

### **Community Development Dissertation (COD650; was COD556)**

*Credit Points:* 12

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in the MA in Community Development requires a substantive investigation of a relevant Community Development topic under the supervision of a member of the academic staff. Students are required to report the results of their investigation in a dissertation of at most 20,000 words completed in accordance with University requirements.

*Prerequisites:* Enrolment in MA in Community Development.

*Co-requisite:* Internet access if studying externally.

*Students cannot self-enrol in this unit.*

### **Community Development Theory and Practice (COD545; was COD445)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit aims to introduce students to the range of theoretical traditions that have shaped community development practice. In discussing various approaches to practice, examples will be drawn from the history of Australian, British and American community work. This advanced unit will also examine recent turns in community development practice and the limitations of new methodologies.

*Lectures/workshops:* up to 3 hours per week.

*Prerequisites:* Enrolment in a postgraduate course.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed COD125 Introduction to Community Development cannot enrol in this unit.

### **Community Work across Sites, Settings and Peoples (COD235)**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

Community Development is used in social work, local government, community services, remote area education, indigenous communities, community arts and cultural development, overseas aid work, economic and social planning, sustainable development, and urban planning. This unit aims to equip students with an understanding and appreciation of the diversity of settings and areas of practice within community development in contemporary Australia. It will provide students with skills to analyse, interpret and critically reflect upon practical examples of community development projects.

*Lectures/workshops:* up to 3 hours per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

Postgraduate students should enrol in the higher-level code for this unit.

### **Community Work across Sites, Settings and Peoples (COD535; was COD435)**

**As for COD235 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Company Law (BUS328)**

Credit Points: 4

Murdoch: S2-internal

Rockingham: S2-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This unit will examine how Australian company law provides for the formation, operation and termination of companies as a form of business organisation. The relationships between participants in the enterprise, between the company and the state and between the company and those outside the company will be considered.

Lectures: 2 hours per week; tutorials: 1 hour per week. In addition to attending lectures and workshops, students will be expected to undertake self-paced learning via various Internet resources.

Prerequisites: BUS165 Principles of Commercial Law.

### **Company Law (MBS509)**

Credit Points: 4

Murdoch: S1-internal

The unit will examine how Australian company law and the Australian Stock Exchange provide for the formation, operation, financing and termination of companies as business entities. The relationships between the stakeholders; the company, the members and officers and parties outside the company will be considered.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: MBS502 Law for Business; enrolment in a postgraduate-level course.

### **Comparative and Human Microbiology (BMS203)**

Credit Points: 4

Murdoch: S2-internal

Basic knowledge and practical skills in microbiology relating to comparative human/animal infections, including sections on bacteria, viruses, mycoplasma, rickettsia, chlamydia and fungi. Bacteriology: introduction to general features of pathogenic bacteria including structure, metabolism, genetics, culture and identification, with emphasis on mechanisms by which they cause disease and the principles of diagnosis and control. Virology: introduction to classification and taxonomy of viruses, a description of structure, mode of replication and inhibition, and discussion of selected human and zoonotic virus infections.

Lectures: 5 hours per week; practicals: 3 hours per week; workshops: 2 hours per week.

Prerequisites: Nil.

For the purpose of progression in Biomedical Science, this unit is considered essential and not equivalent to BIO263 Microbiology 1. It incorporates a significant virology component that is not contained in BIO263 and considered an important requisite for BMS360 Mechanisms of Disease and BMS368 Advances in Medical Science and for Biomedical Science graduates.

### **Comparative Contract Law (LAW349)**

Credit Points: 4

Not available 2011

This course will introduce students to the law of the contract for the sale of goods in the United States, Australia, and under the United Nations Convention on Contracts for the International Sale of Goods. The course will also include an introduction to the law of documents of title, shipment of goods, and payment by letters of credit.

Taught intensively over one week: refer to the teaching timetable for details.

Prerequisites: L120/LAW120 Research and Writing, L150/LAW150 Australian Legal System, L130/LAW130 Criminal Law and Procedure, L152/LAW152 Torts, L260/LAW260 Contract

Exclusions: Students who have completed LAW300 Special Topics in Law: Comparative Contract Law may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited resources. Preference will be given to Law students in their final year.

### **Comparative Employee Relations (MBS624)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores the employment relations environment in a selection of Australasian countries. Topics include a study of various approaches to employee relations, the role of government, unions, management and employee associations, collective bargaining, dispute management and legal aspects.

Seminars: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Comparative Law (LAW325)**

Credit Points: 4

Murdoch: SB7-internal (quota of 50 places)

IMACERATA: S2G-internal

This unit introduces students to the methodology of comparative law and to the basic structures and principles of selected major legal systems. It will concentrate on the main characteristics of the civil law system, as exemplified by German and French law. Students will be introduced to a comparative approach of studying law, enabling them to draw useful conclusions for their future legal career.

Taught intensively over one week: refer to timetable for details.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have completed LAW3002 Special Topics in Law: Comparative Law may not enrol in this unit for credit.

The SP8 enrolment option for this unit is offered as part of the European Summer Program in Law, hosted at the University of Macerata, Italy. Enrolment in this program is by application to the program Director, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

This unit is subject to quota. Quota is due to limited resources and space requirements. Preference may be given to students in Law in their final year.

**Competitions (LAW254)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit allows students to gain credit toward their LLB/JD for successful participation in Murdoch Student Law Society skills-based competitions. Students must progress through four approved competitions to become eligible to enrol. Students will be assessed on submission of a competition portfolio. The unit will be assessed on a pass or fail basis.

*Prerequisites:* Enrolment in the LLB or Juris Doctor, and permission of the Unit Coordinator.

A result of Ungraded Pass or Fail is awarded for this unit.

**Computational Mathematics (MAS167)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal

In this unit students will learn to use the prominent mathematical computer package MATLAB to perform basic mathematical procedures and to solve problems in the general area of discrete mathematics. Topics: recurrence relations, solving equations graphically and iteratively, computer arithmetic, matrices and linear transformations of the plane, solving systems of linear equations by Gaussian elimination, propositional and predicate logic, mathematical induction, Boolean algebra and logic networks.

*Lectures/tutorials/computer laboratories:* 4 hours per week.

*Prerequisites:* A pass in Year 11 Foundations of Mathematics, or equivalent.

*Co-requisite:* Internet access if studying externally.

**Computer Graphics Principles and Programming (ICT215)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit introduces the theory and techniques used in two and three dimensional computer graphics with an emphasis on applications development using a high level programming language and graphics library. Topics include: The OpenGL interface for graphics programming; geometric objects and their transformations; projections, shading, curves and surfaces, animation, texture, ray tracing.

*Lectures and practice sessions:* up to 5 hours per week.

*Prerequisites:* B104/ICT104 Principles of Computer Science.

*Co-requisite:* Internet access if studying externally.

**Computer Science Research Topic (ICT700)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

The purpose of this unit is to introduce students to an advanced topic of current interest within the computer science research community. The exact topic studied in this unit varies as the topic will be taught by an active researcher in that area. Possible topics: parallel computing, object-oriented database design; digital image processing and analysis; artificial neural networks; software design and development; formal specification of software systems.

*Seminars:* 2 to 3 hours per week.

*Prerequisites:* Enrolment in the Doctor of Information Technology.

**Computer Security (ICT339)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Provides a strong understanding of underlying security models and designs, and gives practical knowledge of how various types of security systems work in the real world. Topics: securing computer systems; minimising exposure to risks online; encryption to secure files, email and network traffic; intrusion detection systems and firewalls; network security testing and auditing; management of secure authentication techniques such as Kerberos, SSL and SSH; wireless networking; digital rights management; understanding of security flaws and their repair; and secure programming.

*Lectures and practice sessions:* up to 5 hours per week.

*Prerequisites:* ICT106 Fundamentals of Computer Systems and ICT103 Introduction to Data Communications.

*Co-requisite:* Internet access if studying externally.

**Computer Security (ICT539)**

**As for ICT339 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

*Prerequisites:* ICT546 Local Area Network Design and Implementation and enrolment in a postgraduate IT course.

*Co-requisite:* Internet access if studying externally.

**Computer Systems and Network Management (ICT338)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit looks into the functions of modern operating systems, including network management and programming from a server point of view.

*Lectures:* 3 hours per week; *laboratories:* 2 hours per week.

*Prerequisites:* ICT103 Introduction to Data Communications OR enrolment in a Postgraduate IT course.

*Co-requisite:* Internet access if studying externally.

**Computer Systems and Network Management (ICT638)**

**As for ICT338 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

*Prerequisites:* Enrolment in a honours or postgraduate level course.

*Co-requisite:* Internet access if studying externally.

**Computing for Scientists and Engineers (ENG109)**

Credit Points: 3

Murdoch: S2-internal

This unit introduces the process of expressing scientific and engineering problems in computational terms, and developing software to solve them. MATLAB, Excel and Visual Basic are used to illustrate programming constructs, data types, operators, control flow, file handling, modularity and code reuse. Workshops and projects develop programming skills by solving problems selected from a range of science and engineering disciplines. Practical laboratories examine microcontrollers, real-time programming and their application to control of electronic devices.

*Lectures:* 2 hours per week; *workshops:* 3 hours per week; *laboratories:* 2 hours per fortnight.

*Prerequisites:* Nil.

**Conflict of Laws (LAW341)**

Credit Points: 4

Murdoch: W3-internal

Explores the effect of jurisdiction, choice of law and the enforcement and recognition of judgements in cases where the dispute crosses legal systems. This may occur in Australia in interstate disputes and in cases where one party is foreign. In essence this unit is concerned with resolving conflicts that arise because of the interaction between two different legal systems. As these rules vary between different legal systems, this knowledge is essential for lawyers operating in a globalised world.

*Taught intensively over one week: refer to timetable for details.*

*Prerequisites: LAW259 Constitutional Law; LAW258 Australian Administrative Law; LAW252 Evidence; LAW260 Contract.*

**Connecting to Students' Lives (EDU461)**

Credit Points: 4

Murdoch: S1-external

This unit provides opportunities for teachers to engage young people in schooling through a curriculum that connects with their lifeworlds and/or the concerns of the communities in which they live. The unit examines some different ways of generating knowledge with students including place-based education, service learning, citizenship education, local literacies and students as researchers. The unit provides teachers with an opportunity to plan a school based research project that pursues the idea of 'community as curricula'.

*External: No attendance required. On-campus workshops will be available at Rockingham campus.*

*Prerequisites: Enrolment in a School of Education degree or permission of the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

**Connecting to Students' Lives (EDU661)****As for EDU461 except:**

Credit Points: 4

Murdoch: S1-external

*Prerequisites: Enrolment in a postgraduate course or permission of the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

**Conservation Biology (BI0368)**

Credit Points: 4

Murdoch: S1-internal

This unit provides students with a biological understanding of the major issues and approaches involved in the conservation of flora and fauna. The unit emphasises Australian examples. Topics: biodiversity, population biology and conservation, extinction and populations at risk, management of biota in conservation areas, translocations, ex-situ preservation and reintroduction of biota.

*Lectures: 3 hours per week; workshops: 3 hours per week.*

*Prerequisites: N268/ENV268 Ecology.*

**Conservation Medicine (VET630)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, S2-external

This unit aims to provide students with an understanding of fundamental issues associated with conservation medicine. The unit will explore a range of issues related to the interdisciplinary integration of veterinary science and conservation biology. Topics include: wildlife management, habitat protection, indigenous

knowledge and community participation, integrated conservation and development projects, sustainable development, the role of institutions involved with wildlife conservation, the role of veterinarians in wildlife conservation efforts and the role of private practitioners in community conservation projects.

*Tutorials: 2 hours per week for internal students, on-line discussion for external students.*

*Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine, Postgraduate Certificate in Veterinary Studies in Conservation Medicine or permission of the Academic Chair.*

*Co-requisite: Internet access if studying externally.*

*Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.*

**Conservation Medicine Field Placement/Project (VET639)**

Credit Points: 4

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

This unit requires the substantial investigation of a topic relevant to the fields of wildlife, zoo or conservation medicine. Students may elect to undertake a field placement with a conservation project in Australia or overseas as a component of this unit, in which case their assessment will involve completing either a Project focusing on a topic related to the placement or Case Study Reports relating to the management of clinical cases, with which the student had involvement.

*Workshops and online discussion as required.*

*Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine, Postgraduate Certificate in Veterinary Studies in Conservation Medicine or permission of the Academic Chair. This unit must not be taken prior to VET631 Wildlife Medicine and VET630 Conservation Medicine, but may be taken in conjunction with one of these units with permission of the Academic Chair.*

*Co-requisite: Internet access if studying externally.*

*Students wishing to undertake a placement or to enrol in the 8-point option of this unit need to contact the Unit Coordinator prior to enrolment. The 8-point project option is only available to students undertaking the Master of Veterinary Studies in Conservation Medicine. The project will be supervised by a member of academic staff and will normally be 5000 words in length for a 4-point project, and 10,000 words (8 points), completed in accordance with University requirements. Placements will normally involve a supervisor from the placement institution and from Murdoch staff, and students will be assessed by both supervisors.*

*Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.*

**Conservation Medicine Field Placement/Project (VET639A)****As for VET639 except:**

Credit Points: 8

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

*Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine. This unit must not be taken prior to VET631 Wildlife Medicine and VET630 Conservation Medicine, but may be taken in conjunction with one of these units with permission of the Academic Chair.*

*Co-requisite: Internet access if studying externally.*



**Constitutional Law (LAW259)**

Credit Points: 4

Murdoch: S2-internal

This unit reviews the basic principles of constitutional law in Australia. This will be done through examining the following topics: the origin and development of state and federal constitutional law; the principles of federalism and separation of powers; specific grants of power to the Commonwealth legislature under section 51 of the Commonwealth Constitution; express and implied constitutional rights; and the process of constitutional change.

Lectures: 4 hours per week; tutorials: up to six hours per semester.

Prerequisites: L150/LEG150/LAW150 Australian Legal System. In addition students must have completed L120/LEG120/LAW120 Research and Writing, or be concurrently enrolled in LAW120 Research and Writing.

**Construction Law (LAW329)**

Credit Points: 4

Not available 2011

Construction Law is important for any student wishing to gain access to the construction industry. It provides a basic understanding of the construction industry and an understanding of the specific legal problems frequently encountered in large construction projects. Construction law is a highly specialised area of contract law, both front-end (negotiating and drafting the contract) and back-end (resolving disputes along the way, including alternative dispute resolution) work. The unit is practice oriented.

Taught intensively over one week: refer to timetable for details.

Prerequisites: L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L260/LAW260 Contract.

**Consumer Behaviour (BUS273)**

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

This unit provides the fundamental skills you need to understand how and why consumers make decisions, how they purchase and use products, and how eventually they dispose of those products. It focuses on the differences of consumer behaviour in South-East Asia and the important differences in decision-making styles that occur in major countries within the region. It examines ethical and social justice issues of consumerism and the importance of an understanding of consumer behaviour for non-profit organisations.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS169 Principles of Marketing or TOU213 Tourism Marketing.

Co-requisite: Internet access if studying externally.

**Contemporary Asia: Nations, Narratives, Cultures (AST330)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Utilises narrative to explore knowledge, culture, identity and nation in contemporary East and South-East Asia. A range of texts 'produced' in China, Japan and South-East Asia will be read in conjunction with texts of a theoretical/critical nature within the context of six topics. Following an introductory theoretical topic the unit examines indigenous narrative forms and modernity; civil society and the 'novel'; national crisis and individual lives; sex,

gender and class; narrative and the postcolonial/postmodern imagination.

Lectures/seminars: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Undergraduates should enrol in the lower-level unit.

**Contemporary Asia: Nations, Narratives, Cultures (AST630; was AST530)**

As for AST330 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in the MA in Asian Studies or MA in Development Studies or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

**Contemporary China (BUS241; was BUS166)**

Credit Points: 4

Murdoch: S2-internal, S2-external

The economic and political rise to power of contemporary China cannot be ignored. This unit introduces students to China in terms of its regional and cultural differences, its political, economic and technological systems, as well as its political and economic relationship with Australia. By the end of the unit, students will have a basic understanding of the dynamics of today's China.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Contemporary China (MBS541; was BUS541)**

As for BUS241 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Lectures/Seminars/Workshops: 3 hours per week

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Contemporary Creative Writing: Image and Scene (EGL269)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Students (including creative writers and non-fiction writers), will work with and study various cultural art forms in order to build their skills in better visualising and writing scenes and images. Various art forms including poetry, painting, sculpture and film will be used to better understand the importance of texture and shape, sequence and character, image and scene. Students may choose to write prose or poetry. Workshops will include reading and commenting on each others' work.

Workshops: Up to 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EGL269 Creative Writing: Text and Practice II may not enrol in this unit for credit.

**Contemporary Cultures and the Small Screen (MCC219)**

Credit Points: 4

Murdoch: S1-internal, S1-external

KDUPJ: S1K-internal

This unit examines the contemporary cultures related to viewing the small screen. It looks at the history of TV from a cultural studies approach, its rise to dominance of broadcast TV and the current changes which are displacing it. Students will examine cultural and gendered aspects of TV viewing, including the role of the domestic setting of the viewer, and the social and economic forces that shape TV culture. Topics include reality TV, network TV, community TV, and broadcasting politics.

Lectures: 1 hour per week; screenings: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed COM211 Television and Popular Culture may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Contemporary Cultures and the Small Screen (MCC519; was MCC419)

As for MCC219 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC419 Television and Video Cultures may not enrol in this unit for credit.

### Contemporary Financial Accounting (BUS256)

Credit Points: 4

Murdoch: S1-internal, S1-external

KDUPJ: S1K-internal

SGP1: T1B-internal, T2B-internal, T3B-internal

This is an advanced accounting unit and therefore critically examines and evaluates a number of specific issues selected from the prevailing set of accounting standards promulgated in Australia and legally mandated for use by companies. These range from share issues, consolidations, tax-effect accounting, financial instruments, insolvencies, leases, extractive industries, public sector accounting, asset impairment and intangibles. The unit focuses on definitions, concepts, principles and theories as well as accounting practices in the Australian context.

Lectures/workshops/tutorials: 3 hours per week.

Prerequisites: BUS217 Technology and Accounting Processes.

Co-requisite: Internet access if studying externally.

### Contemporary Indigenous Cultural Expression (AIS174; was AIS274)

Credit Points: 3

Murdoch: S2-internal, S2-external

Since colonisation over 200 years ago, the modes through which Australian Indigenous peoples have expressed their relationships to self, community and the land have changed. What has remained constant is the resilience Indigenous peoples have continued to display in the stories they tell of their changing cultural landscapes. This unit explores the centrality to the well-being of Indigenous cultures of a range of forms of cultural expression, including: song, dance, theatre, visual arts, film, television, multimedia, and literature.

Lectures: 1 hour per week; tutorials: 2 hours per week (occasional film screenings).

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Contemporary Indigenous Issues (AIS281; was AIS181)

Credit Points: 4

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

This unit is designed to provide an understanding of a number of key contemporary issues of concern to Indigenous Australians. It discusses the political and historical contexts in which these issues are understood, and explores responses to these issues, be they in the form of art, song, writing or political action.

Seminars: 3 hours per week.

Prerequisites: Successful completion of AIS180 Introduction to Australian Indigenous Studies.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed AIS181 Contemporary Indigenous Issues may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Contemporary Indigenous Issues (AIS581)

As for AIS281 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed AIS181 Contemporary Indigenous Issues may not enrol in this unit for credit.

### Contemporary Issues in Gifted and Talented Education (EDU626)

Credit Points: 4

Murdoch: AU5-internal

This unit aims to develop an understanding of conceptions of giftedness and the theories underpinning gifted education in contemporary contexts. Students will examine a diverse range of procedures for identifying giftedness and talent in students from early childhood to adolescence, including those used to identify gifted students from specific populations. The unit will also address the social and emotional needs of gifted students and provide an opportunity to examine a range of models designed to meet students' educational needs.

Includes 5 intensive days comprising 4 days in April 2011 (second week of WA school holidays) and one Saturday in May.

Prerequisites: Enrolment in the Postgraduate Certificate in Gifted and Talented Education, or a Masters or Doctoral degree in Education, or permission of the Unit Coordinator.

### Contemporary Nursing Management in Health Care (NUR309)

Credit Points: 4

Peel: DE9-internal

Students will be introduced to a range of concepts and contemporary issues that influence the multidisciplinary healthcare work environment and its application to the nursing profession and practice. This will include models of healthcare, current trends

related to public health policy, epidemiological approaches, the relevance of health informatics, organisational management strategies and contextual influences on effective management and leadership that arise from interpersonal, social, cultural, political and economic pressures.

*Lectures: 2 hours per week; workshops: 2 hours per week.*

*Prerequisites: Enrolment in the Bachelor of Nursing.*

### **Contemporary Theatre Practice (EGL202)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit examines approaches to the process of producing theatre, covering the work of theorists and directors of the modern era. It provides students with historical and comparative knowledge of the major developments in the practice of theatre directing over the last century. The unit also provides students with a range of practical models from which to construct their own approach to producing theatre, highlighting the way the praxis of theatre itself is always open to re-definition and renewal.

*Lectures/workshops: 3 hours per week; rehearsals and performance: as required.*

*Prerequisites: Co-requisite (for all students): Internet access.*

### **Contested Country: Twentieth Century Australian History (HIS275)**

*Credit Points: 4*

*Not available 2011*

Australian history seems more debated and open to the competing claims of politicians and public intellectuals than at any other stage in our history. In this unit we examine themes such as war, celebration, Indigenous rights, migration, social and political conflict and change, and national identity. In the course of this, we look at the contested ground which is twentieth century Australian history, and reflect on the reasons for debate, the competing arguments, and the protagonists involved.

*Lectures/workshops: 2 hours per week; tutorials: 1 hour per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Contract (LAW260)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit will consider the elements necessary for the formation of an enforceable contract, including offer and acceptance, consideration, intention, certainty of terms and capacity; the ways in which contractual terms are determined and interpreted; vitiation of otherwise enforceable contracts by elements such as misrepresentation, mistake, illegality or unconscionability; and enforcement of contractual rights, including excused performances, rights to terminate and available remedies for breach.

*Lectures: 4 hours per week; tutorials: up to six hours per semester.*

*Prerequisites: Enrolment in Bachelor of Common Law OR L150/LEG150/LAW150 Australian Legal System and (L120/LEG120/LAW120 Research and Writing or concurrent enrolment in LAW120 Research and Writing).*

*Juris Doctor students can enrol in both LAW120 and LAW150 as co-requisites.*

### **Control Systems and Process Dynamics (ENG267)**

*Credit Points: 4*

*Murdoch: S2-internal, W-internal*

This unit provides the foundations in the dynamics, modelling and control of process-oriented systems. Topics: concepts of process control, system components; elements of dynamic analysis, Laplace Transform; process models, transfer functions; low order, second order and time delay systems; stability; feedback control; PID controller, tuning; sampled data systems; discrete time systems, tools, analysis; digital controllers, hybrid systems. Simulink, MATLAB and LabVIEW are used extensively in problem solving, simulations and perform measurement/control in the instrumentation and control laboratory.

*Lectures: 4 hours per week; laboratories: 4 hours per week.*

*Prerequisites: Medical Engineering students: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra or co-requisite MAS208 Mathematical Modelling.*

*For students not studying Medical Engineering: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra or co-requisite MAS208 Mathematical Modelling; ENG109 Computing for Scientists and Engineers.*

### **Conversational Chinese (BUS233)**

*Credit Points: 4*

*Murdoch: S1-internal*

The unit focuses on conversation in Mandarin with an emphasis on everyday and business vocabulary, pronunciation and grammar, enabling students to participate in daily activities and business meetings. By the end of the unit students should be able to master about 350 characters.

*Lectures/tutorials/laboratories: 4 hours per week.*

*Prerequisites: BUS102 Introductory Chinese. Students who have language competence in Chinese may not enrol in the unit for credit.*

*Students with introductory Chinese language competency may also enrol in the unit subject to an assessment of their proficiency by the Unit Coordinator.*

### **Corporate Accounting (MBS632)**

*Credit Points: 4*

*Murdoch: S2-internal*

This is an advanced unit in financial accounting with the focus on a number of accounting impacts on the corporate sector. The topics include disclosure, mergers and acquisitions, governance and share issues. These will be discussed in the context of the law, International and Australian Accounting Standards and generally accepted accounting practices.

*Lectures/seminars/workshops: 3 hours per week.*

*Prerequisites: MBS513 Accounting for Managers.*

### **Corporate Finance (BUS224)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external, S2-internal*

*Rockingham: S1-internal*

*DUBAI-ISC: N1-internal*

*KAPLAN-SGP: T2A-internal*

*KDUPJ: S1K-internal*

*SGP1: T1B-internal, T2B-internal, T3B-internal*

The main objective of this unit is to develop a basic knowledge of finance, especially in relation to the investment decisions for the corporate financial manager. Major topics: the evaluation and selection of investment projects; introduction to the capital asset pricing model; dividend policy and capital structure; and working



capital management.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS140 Principles of Finance and Banking; MAS180 Introduction to Statistics; BUS160 Introduction to Accounting.  
Co-requisite: Internet access if studying externally.

Trimester offerings for this unit at Singapore (SPG1) are taught in intensive mode.

### Corporations Law (LAW352)

Credit Points: 4

Murdoch: S1-internal

This unit will consider the major forms of private business association in Australia, focusing on the company and the partnership. The unit will also review basic principles in agency law as essential contributions by the legal system to the facilitation of business enterprise. The unit will consider how businesses are formed, financed and terminated. The unit will focus on issues in the control of the business.

Lectures: 4 hours per week; 5 tutorials per semester.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, L258/LAW258 Australian Administrative Law, LAW259 Constitutional Law, L252/LAW252 Evidence.

In addition, students must have passed or be concurrently enrolled in L253/LAW253 Property.

Juris Doctor students may concurrently enrol in LAW258 Australian Administrative Law and LAW352.

Exclusions: Students in Law/Commerce who enrol in this unit may not enrol in C328/BUS328 Company Law for credit.

### Counselling: Case Conceptualisation and Assessment (PSY527)

Credit Points: 3

Not available 2011

This unit prepares students for counselling practice by providing a framework for conceptualising and assessing common psychological problems encountered in counselling practice and introducing approaches to assessing therapeutic progress and outcomes.

Up to 3 hours per week.

Prerequisites: Completion of, or current enrolment in PSY531 Principles of Counselling 1 or by permission of the Counselling Academic Chair.

### Counselling: Case Conceptualisation and Assessment (PSY566)

Credit Points: 4

Murdoch: S1-internal

This unit prepares students for counselling practice by providing a framework for conceptualising and assessing common psychological problems encountered in counselling practice and introducing approaches to assessing therapeutic progress and outcomes.

Up to 3 hours per week.

Prerequisites: Completion of, or current enrolment in PSY582/PSY531 Principles of Counselling 1 or by permission of the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY527 (Counselling: Case Conceptualisation and Assessment) may not enrol in this unit for credit.

### Counselling: Case Study (PSY677)

Credit Points: 4

Murdoch: S2-internal

Case study involves an in-depth, longitudinal examination of a case lending themselves to generating and testing hypotheses. Case studies depict an integrated portrayal of the experience of each participant, the process of their interchange and relationship, acknowledging the importance of both participants in the process of counselling. Such case studies organise a wide range of information by seeking patterns and themes in the data enabling students to develop their writing style; systematic ways of collecting data and analysing information.

3 hours per week.

Prerequisites: Enrolment in Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair

### Counselling: Children and Families (PSY535; was PSY406)

Credit Points: 3

Not available 2011

Working with children and families means engaging explicitly within a web of relationships. In this unit students are encouraged to become familiar with the lived experience of children and families, and to develop their capacity to create counselling relationships. Students will become familiar with commonly encountered issues and gain an applied knowledge of theories and models that underpin counselling with children and families.

Up to 3 hours per week.

Prerequisites: Enrolment in the Postgraduate Certificate of Counselling, Postgraduate Diploma of Counselling or Master of Counselling. Other enrolments will be considered by the Unit Coordinator for students enrolled in an appropriate postgraduate course.

### Counselling: Experiential Learning in Group Counselling (PSY581)

Credit Points: 4

Murdoch: S1-internal

Students learn theoretical approaches to understanding and effectively working with group processes. Participation in small groups allows students to learn experientially about the rewards and challenges of group work, and how to establish a therapeutic atmosphere in a group. Students have the opportunity for reflection and feedback on the development of interaction, support and acceptance within the group.

Up to 3 hours per week.

Prerequisites: Completion of, or concurrent enrolment in PSY582/PSY531 Principles of Counselling 1. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

Exclusions: Students who have successfully completed PSY528 Counselling: Experiential Learning in Individual and Group Counselling may not enrol in this unit for credit.

### Counselling: Experiential Learning in Individual and Group Counselling (PSY528)

Credit Points: 3

Not available 2011

Students learn theoretical approaches to understanding and effectively working with group processes. Participation in small groups allows students to learn experientially about the rewards and challenges of groupwork, and how to establish a therapeutic

atmosphere in a group. Students have the opportunity for reflection and feedback on the development of interaction, support and acceptance within the group.

Up to 3 hours per week.

*Prerequisites:* Completion of, or concurrent enrolment in, PSY531 *Principles of Counselling 1* or by permission of the Academic Chair.

We recommend where possible this unit is taken concurrently with PSY531 *Principles of Counselling 1*.

### **Counselling: Introduction to Creative Arts Therapies (PSY676)**

*Credit Points:* 4

*Murdoch:* S1-internal

Creative Arts Therapies provide a context for the intentional use of arts processes for therapeutic goals; allow non verbal experience to be expressed in a counselling context; and facilitate the exploration of connections between clients' internal experience and its expression. Students are introduced to these therapies both experientially and theoretically. The creation of imagery, movement, enactment, reflective practice and group discussion are fundamental tools to learn how to flexibly engage with human experience in a wide range of contexts.

3 hours per week.

*Prerequisites:* Enrolment in *Master of Counselling*. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

### **Counselling: Placement and Supervision Group 1 (PSY522)**

*Credit Points:* 6

Not available 2011

In this unit students begin working with clients in the Counsellor Training Centre at South Street. Students work with child and adult clients with the support of individual and group supervision. Close attention is paid to developing and maintaining counselling relationships, case conceptualisation, engagement in supervision, and professional practice.

2 days per week.

*Prerequisites:* Completion of PSY405/PSY531 *Counselling: Principles of Counselling 1*; PSY528 *Counselling: Experiential Learning in Individual and Group Counselling*; PSY527 *Counselling: Case Conceptualisation and Assessment*; PSY439/PSY532 *Counselling: Principles of Counselling 2*; PSY535 *Counselling: Children and Families*; AND completion or concurrent enrolment of PSY530 *Counselling: Working with Adults*; or permission from Academic Chair.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Counselling: Placement and Supervision Group 1 (PSY579)**

*Credit Points:* 4

*Murdoch:* DE7-internal, S1L-internal

In this unit students begin working with clients in the Counsellor Training Centre at South Street. Students work with child and adult clients with the support of individual and group supervision. Close attention is paid to developing and maintaining counselling relationships, case conceptualisation, engagement in supervision, and professional practice.

2 days per week.

*Prerequisites:* Completion of PSY582/PSY531 *Principles of Counselling 1*; PSY581/PSY528 *Experiential Learning in Group Counselling*; PSY566/PSY527 *Counselling: Case Conceptualisation and Assessment*;

PSY578/PSY535 *Counselling: Children and Couples*; completion of, or concurrent enrolment in, PSY583/PSY530 *Counselling: Working with Adults*; OR permission of the Counselling Academic Chair.

*Exclusions:* Students who have successfully completed PSY522 (*Counselling: Placement and Supervision Group 1*) may not enrol in this unit for credit.

Because students in this unit undertake counselling work with vulnerable members of the public, all students will be assessed through staff review, and in some cases interview, for their readiness to undertake this unit. Students may be asked to undertake extra preparation.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Counselling: Placement and Supervision Group 2 (PSY621; was PSY542)**

*Credit Points:* 4

*Murdoch:* DE7-internal, S1L-internal

Students complete their second placement in an external counselling environment, working with the supervision of a practising counsellor. Students participate in group supervision on campus, providing a link between training and supervision within the University and work and supervision on external placement. Counselling relationships, supervisory relationships, case conceptualisation and intervention are key elements in this unit. Understanding of issues relating to ethical conduct, indigenous and CALD perspectives and professional practice are developed through group supervision and seminars.

40 days of placement in consultation with the Placement Coordinator, plus up to 2 hours per week group supervision and occasional seminars.

*Prerequisites:* PSY522 *Counselling Practicum 1* or permission of Counselling Academic Chair.

This unit has a quota which may result in some students not being able to enrol in the unit in the semester they choose. This may mean studying part-time.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Counselling: Placement and Supervision Group 3 (PSY622)**

*Credit Points:* 4

*Murdoch:* DE7-internal, S1L-internal

Students complete their third placement in a different counselling environment, working with the supervision of a practising counsellor. Students participate in group supervision on campus, providing a link between training and supervision within the University and work and supervision on external placement. Counselling relationships, supervisory relationships, case conceptualisation and intervention are key elements in this unit. Students continue to develop their ability to engage with ethical issues, indigenous and CALD perspectives, and professional conduct through group supervision and seminars.

40 days of placement in consultation with the Placement Coordinator plus up to 2 hours per week in supervision group and occasional seminars.

*Prerequisites:* PSY621 *Counselling Practicum 2* or by permission of the Counselling Academic Chair.

This unit has a quota which may result in some students not being able to enrol in the unit in the semester they choose. This may mean studying part-time.

A result of Ungraded Pass or Fail is awarded for this unit.

**Counselling: Principles of Counselling 1 (PSY531; was PSY405)**

Credit Points: 3

Not available 2011

Being a counsellor is a lifelong process of learning, professional and personal growth. The aims of this unit are to expand students' knowledge of major theoretical frameworks for understanding human nature and causes of human distress, whilst providing the opportunity to develop and practice associated core elements of the counselling relationship. Time is spent learning to critically appraise research and practice literature. This unit is a thorough introduction to counselling, and the basis for all other coursework in the programs.

Up to 5 hours per week.

*Prerequisites:* Enrolment in the Postgraduate Certificate of Counselling, Postgraduate Diploma of Counselling or Master of Counselling. Other enrolments will be considered by the Unit Coordinator for students enrolled in an appropriate postgraduate course. All applicants need to be interviewed by Unit Coordinator prior to acceptance into the unit.

**Counselling: Principles of Counselling 1 (PSY582)**

Credit Points: 4

Murdoch: S1-internal

Being a counsellor is a lifelong process of learning, professional and personal growth. The aims of this unit are to expand students' knowledge of major theoretical frameworks for understanding human nature and causes of human distress, whilst providing the opportunity to develop the core conditions of counselling practice. Particular attention is paid to relational approaches in counselling and psychotherapy. This unit is a thorough introduction to counselling, and the basis for all other coursework in the programs.

Up to 5 hours per week.

*Prerequisites:* Must be enrolled in the Postgraduate Certificate of Counselling, Postgraduate Diploma of Counselling or Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

*Exclusions:* Students who have successfully completed PSY531 Counselling: Principles of Counselling 1 may not enrol in this unit for credit.

**Counselling: Principles of Counselling 2 (PSY532; was PSY439)**

Credit Points: 3

Murdoch: S2-internal

The intention of this unit is to extend essential counselling skills to include more challenging aspects of the counselling relationship and to develop interpersonal abilities to engage in and maintain constructive therapeutic relationships. It includes counselling in the context of couple and family relationships and working with people of different cultures.

Up to 5 hours per week.

*Prerequisites:* Completion of PSY531 Counselling: Principles of Counselling 1.

**Counselling: Principles of Counselling 2 (PSY684)**

Credit Points: 4

Not available 2011

The intention of this unit is to strengthen essential counselling skills. Core elements include client specificity, responding to the more challenging aspects in counselling and the counselling relationship,

and the development of advanced counselling skills, including the interpersonal abilities to engage in and maintain constructive therapeutic relationships. The unit also covers working with people of different cultures. At the end of the unit, students will be able to outline a well informed philosophy of their counselling practice.

Up to 5 hours per week.

*Prerequisites:* Completion of PSY582/PSY531 Principles of Counselling; PSY581/PSY528 Experiential Learning in Group Counselling; PSY527/PSY566 Counselling: Case Conceptualisation and Assessment; PSY530/PSY583 Counselling: Working with Adults; PSY535/PSY578 Counselling: Working with Children and Couples. Completion of, or concurrent enrolment in PSY522/PSY579 Counselling: Placement and Supervision Group 1.

*Exclusions:* Students who have successfully completed PSY532 Counselling: Principles of Counselling 2 may not enrol in this unit for credit.

**Counselling: Research Project (PSY620; was PSY526)**

Credit Points: 12

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

Evaluating the success of counselling work is an important element of our commitment to accountability as practitioners. In this unit, students are required to design, conduct, and report in journal article format, a substantial research project addressing an issue in counselling theory or practice.

To be discussed with Supervisor.

*Prerequisites:* 24 credit points in Master of Counselling or permission of the Counselling Academic Chair.

**Counselling: Trauma Counselling (PSY674)**

Credit Points: 4

Murdoch: S1-internal

In this unit the student can expect to learn theories, as well as models of best practice, in the field of circumscribed and complex trauma. The unit's broad based learning framework also illuminates the interaction between trauma and complicated grief.

3 hours per week.

*Prerequisites:* Enrolment in Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair

**Counselling: Working with Adults (PSY530; was PSY409)**

Credit Points: 3

Not available 2011

Students will be introduced to theories and intervention approaches which explain and promote health and well-being as well as mental health problems classified as mood disorders, anxiety, eating and personality disorders. A skills-based approach to dealing with these issues is covered, including how to incorporate research into counselling practice and how to evaluate the effectiveness of counselling interventions.

Up to 3 hours per week.

*Prerequisites:* Completion of, or concurrent enrolment in, PSY531 Counselling: Principles of Counselling 1.

**Counselling: Working with Adults (PSY583)**

Credit Points: 4

Murdoch: S2-internal

Students will be introduced to theories and intervention approaches

which explain and promote health and well-being as well as mental health problems classified as mood disorders, anxiety, eating and personality disorders. A skills-based approach to dealing with these issues is covered, including how to incorporate research into counselling practice and how to evaluate the effectiveness of counselling interventions.

Up to 3 hours per week.

*Prerequisites:* Must be enrolled in the Postgraduate Certificate of Counselling, Postgraduate Diploma of Counselling or Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair

*Exclusions:* Students who have successfully completed PSY530 Counselling: Working with Adults may not enrol in this unit for credit.

### **Counselling: Working with Children and Couples (PSY578)**

*Credit Points:* 4

*Murdoch:* S2-internal

Working with children and couples means engaging explicitly within a web of relationships. In this unit students are encouraged to become familiar with the lived experience of children and couples, and to develop their capacity to create counselling relationships. Students will become familiar with commonly encountered issues and gain an applied knowledge of theories and models that underpin counselling with children and couples.

Up to 3 hours per week.

*Prerequisites:* Must be enrolled in the Postgraduate Certificate of Counselling, Postgraduate Diploma of Counselling or Master of Counselling. Other students wanting to study this unit can be interviewed by the Unit Coordinator for consideration by the Counselling Academic Chair.

*Exclusions:* Students who have successfully completed PSY535 (Counselling: Children and Families) may not enrol in this unit for credit.

### **Country, Nature and Identity: Indigenous Sustainability (AIS301; was AIS201)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit explores the intersection between living more 'sustainably' and the centrality of Indigenous peoples, their cultural-natural resources and their aspirations in any discussion of sustainability in this country. It encourages students to explore their own assumptions about big ideas like 'nature,' 'civilisation' and 'development,' and Australian (and often international) Indigenous ideas about 'country,' with their cultural commitment to reciprocity, stewardship and the co-evolution of cultures and 'natures'.

*Seminar:* 3 hours

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed AIS201 Indigenous Sustainability may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Country, Nature and Identity: Indigenous Sustainability (AIS601; was AIS501)**

**As for AIS301 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Prerequisites:* Enrolment in an Honours, Graduate or Postgraduate

course.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed AIS501 Indigenous Sustainability may not enrol in this unit for credit.

### **Creating Effective Learning Environments (EDN422; was EDU451)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Rockingham:* S1-internal

This unit focuses on ways of enhancing the learning of all students by examining the cognitive, emotional, social and behavioural factors which impact on the ecology of inclusive learning environments. It considers whole school, community, classroom and individual teaching and learning adjustments to meet diverse student needs. Students enrolled in the Inclusive Education minor will focus on the needs of students requiring high levels of adjustments including students with challenging behaviour, cognitive impairment and learning difficulties.

*Lectures:* 1 hour; *workshops:* 2 hours

*Prerequisites:* E241/EDU241 Processes of Learning or E245/EDU245 Learning and Assessment Processes or E246/EDU240 Facilitating Lifelong Learning or completion of/concurrent enrolment in EDU242 Learning and Assessment: Theory and Practice or equivalent. Students without the prerequisite should consult the Unit Coordinator.

*Co-requisite:* Internet access if studying externally.

### **Creative Ways to Work with Community (COD334)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

Increasingly individuals, organisations, 'communities' and various government instrumentalities are signalling that community involvement in planning, management and government is something they would like to see carried out more often. At the same time, a range of imaginative strategies and tools have emerged to try and increase the level of community involvement in decision making. This unit introduces students to some of these practical participatory methods.

*Workshops:* 3 hours per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed COD326/526 Community Participatory Practice may not enrol in this unit for credit.

### **Creative Ways to Work with Community (COD634; was COD534)**

**As for COD334 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

### **Creative Writing: Text and Practice I (EGL122)**

*Credit Points:* 3

*Murdoch:* S1-internal, S1-external

This creative writing unit complements other units in English and Creative Arts by giving students the opportunity to explore literary concepts in a practical, experimental way through the development of their own writing projects. The unit will run as a workshop in which writing exercises will be undertaken -- there will be an emphasis upon the role of reading and rewriting in the development of a writer's voice and style. There will be one



introductory lecture only.

Lectures: 1 lecture in week 1 only; workshops: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Creativity and Innovation (FDN101)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Peel: S2-internal

The challenges of the future require creative thinking and innovation to solve complex social, economic and environmental problems. This unit will introduce you to critical and creative thinking tools and provide you with an understanding of the processes of innovation to develop your own creativity. Guest speakers from the university and industry will share lessons from renowned innovators in science, the arts, business and technology, and provide their own real-life examples of creative thinking, entrepreneurship and innovation.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Credit and Lending Decisions (BUS337)**

Credit Points: 4

Murdoch: S1-internal

SGP1: T2B-internal

The focus of this unit is the key functions of the bank with particular emphasis on the management of lending and credit assessment. Topics include: an overview of credit risk, the credit decision, management of problem loans and credit policy formulation and implementation. In addition, current credit techniques including credit scoring models and value at risk (VAR) will be introduced.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224 Corporate Finance or BUS244 Treasury Management.

### **Crime and Punishment Since 1700 (HIS260)**

Credit Points: 4

Not available 2011

Focusing on Western society from the eighteenth century to the present, this unit explores crime and punishment from an historical perspective. Crime is examined in relation to social changes, protest, class and gender along with the evolution of the punishment and detection. Material will be drawn from the United States, Britain and Australia, with topics ranging from archaic game laws to modern serial killers.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

### **Criminal Behaviour (CRM210; was LEG210)**

Credit Points: 4

Murdoch: S1-internal

This unit examines the biological and familial correlates of crime and the personal attributes of offenders as well as an examination of violent, sexual and drug related crimes and the treatment of offending behaviour.

Lectures: 3 hours per week.

Prerequisites: Nil.

Exclusions: LLB or Juris Doctor students may not enrol in this unit for credit.

### **Criminal Justice (CRM205; was LEG205)**

Credit Points: 4

Murdoch: S1-internal

This unit will explore the criminal justice system from investigation to punishment with an emphasis on areas currently regarded as in need of reform. Focal points of this unit will be a critical analysis of the policy issues underlying the formulation and implementation of the criminal law and the treatment of certain groups by the criminal justice system, such as Indigenous people, women and young persons. This unit aims to foster a critical approach to contemporary issues in criminal justice.

Lectures: 3 hours per week.

Prerequisites: Nil.

Exclusions: LLB or Juris Doctor students may not enrol in the lower-level version for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### **Criminal Justice (LAW405)**

As for CRM205 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in LLB or Juris Doctor.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### **Criminal Law and Procedure (LAW130)**

Credit Points: 3

Murdoch: S2-internal

Examines the principles of criminal responsibility in Western Australia as set out in the Criminal Code, aspects of the law relating to criminal procedure in Western Australia, and the social context within which criminal law operates. Homicide, nonfatal offences against the person and offences against property are covered. Defences such as mistake, insanity, intoxication, provocation and self defence are examined. Criminal Procedure topics: process to compel appearance before the courts, bail, summary trials, committal proceedings and trial of indictable offences.

Lectures: 4 hours per week; tutorials: 1 per fortnight.

Prerequisites: Enrolment in LLB or Juris Doctor; L150/LEG150/LAW150 Australian Legal System.

### **Criminal Law in Western Australia (LEG219)**

Credit Points: 4

Murdoch: S1-internal

This unit will introduce students to the Criminal Law in Western Australia. Students will study legislation, predominantly the Western Australian Criminal Code, and become familiar with the laws of criminal responsibility. In particular, students will learn the elements of fatal offences, nonfatal offences and offences against property, as well as the defences which may be raised. Throughout the unit, policy issues which underlie the criminal law will be raised and discussed.

Lectures: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: LLB or Juris Doctor students may not enrol in this unit for credit.



**Criminology (CRM206; was LEG206)**

Credit Points: 4

Murdoch: S2-internal

This unit covers the theoretical explanations of criminal behaviour and its development. Theories from psychological, sociological, legal and economic traditions are reviewed, analysing their strengths and weaknesses.

Lectures: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: LLB or Juris Doctor students may not enrol in the lower-level version for credit.

Students taking this unit at the higher level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Criminology (LAW406)**

As for CRM206 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in LLB or Juris Doctor.

**Critical and Creative Thinking (PHL131)**

Credit Points: 3

Murdoch: S1-internal, S1-external

Achieving a high level of critical and creative thinking is one of the most important goals of a university education. This unit aims to enhance the thinking and communication skills that are fundamental to all of your academic studies. Employers in most professions and industries regard these abilities as essential. Effective thinking demands rigorous analysis, imagination and insight. In this unit you will develop and practise these skills and learn how to structure a successful, systematically reasoned essay.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Critical Metaphysics (PHL218)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Metaphysics is the philosophical discipline concerned with the ultimate 'nature' of reality, the ontological status of the components of the real world, and the necessary conditions for knowledge of such things. Our investigations will focus on the metaphysical positions of Descartes, Spinoza, Leibniz, Locke, Hume and Kant; key issues include: space and time, subject and object, cause and effect, core aspects of the mind, and the relative merits of Rationalist versus Empiricist approaches to these issues.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Critical Metaphysics (PHL418)**

As for PHL218 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Critical Pedagogy: Gender, Race and Social Class in Education (EDU424)**

Credit Points: 4

Murdoch: SUM-internal

This unit explores critical pedagogy both conceptually and practically, drawing on the work of key educators whose praxis embraces a critical perspective. There is a particular focus in examining inequities in educational practice and provision such as those connected to gender, race and social class, and explores how through critical pedagogy educators might better understand the deeper values, ideologies and institutional structures that lie beneath the surface of practices of teaching and learning.

For participants enrolled in the summer offering there is a compulsory two-week on-campus component in January 2011.

Prerequisites: Nil.

Exclusions: Nil.

**Critical Pedagogy: Gender, Race and Social Class in Education (EDU624)**

As for EDU424 except:

Credit Points: 4

Murdoch: SUM-internal

Prerequisites: Enrolment in a Postgraduate qualification.

**Critical Perspectives in Early Childhood Education (EDU412)**

Credit Points: 4

Murdoch: S2-external

This unit offers participants the opportunity to engage critically with early childhood research and theoretical perspectives. Participants will develop a critical framework for planning, implementing and evaluating early childhood education programs for their own practice and/or for extended research programs. Participants will examine and critically reflect on models of the learner and curriculum contexts in early education.

External: No attendance required. On-campus meetings usually available.

Prerequisites: Enrolment in the Graduate Certificate in Early Childhood Education and successful completion of EDN320 Principles and Practices in Early Childhood Education.

Co-requisite: Internet access if studying externally.

**Critical Perspectives in Early Childhood Education (EDU612)**

As for EDU412 except:

Credit Points: 4

Murdoch: S2-external

Prerequisites: Enrolment in a Postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

**CSI: Control System Investigation (ENG668)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit examines different methodologies for evaluation of control system performance. Large scale process case studies are identified, modelled and controlled using different types of conventional and advanced controllers studied in previous units. Suitable performance indicators/measures are then identified and

implemented into the case studies and used to evaluate the performances of the control systems especially in relation to process economics.

*Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.*

*Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.*

### **Cultural and Media Policy (MCC337; was COM337)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*KAPLAN-SGP: T1A-internal, T3A-internal*

*KDUPJ: S1K-internal*

*SGP1: T1B-internal, T3B-internal*

This unit focuses on media and arts policy-making in Australia and its global context. It considers the political, social and cultural factors which have been instrumental in shaping policies in these areas with particular emphasis on government subsidy vs. commercial patronage.

*Lectures: 1.5 hours per week; tutorials: 1 hour per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed COM337 Cultural and Media Policy may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

### **Cultural and Media Policy (MCC637; was COM537)**

*As for MCC337 except:*

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed COM537 Cultural and Media Policy may not enrol in this unit for credit.*

### **Cultural Diversity in Learning and Working (EDU446)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

This unit is designed for anyone wishing to better understand the social dynamics of culturally diverse environments, for personal or professional reasons. It is particularly relevant to teachers (including LOTE, TESOL), lecturers at university and vocational education settings, student advisors, human resource development officers, team leaders, as well as international students wanting to enrich their intercultural experience. The unit builds upon participants' cultural experiences and enhances their capacity to promote cultural awareness and intercultural learning in their own environment.

*Internal: Lectures/seminars 3 hours per fortnight over 12 weeks.*

*External: No attendance required. On-campus meetings will usually be available.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Cultural Diversity in Learning and Working (EDU646)**

*As for EDU446 except:*

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*Prerequisites: Enrolment in a postgraduate qualification or permission of the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

### **Cultural Tourism Interpretation (TOU210)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit explores tourism which is constructed around heritage, history and tradition, religion, the arts (music, dance, festivals, sculpture, painting, handicrafts, gastronomy), special events, and museum activities. It examines the impacts of tourism on cultural and social forms in the context of sustainable tourism, and the concepts of authenticity and accuracy, of interpretation and representation, of education and entertainment which are embedded in these tourist practices.

*Lectures/tutorials: up to 3 hours per week plus occasional field trips.*

*Prerequisites: Nil. Highly recommended: R208/TOU201 Sustainable Tourism.*

*Co-requisite: Internet access if studying externally.*

### **Cultural Tourism Interpretation (TOU510)**

*As for TOU210 except:*

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*Prerequisites: Enrolment in an Honours or Postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### **Culture and Religion in Asia (AST252)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit is an introduction to the major religions of Asia including Hinduism, Islam, Buddhism and Christianity, from a sociological and cultural perspective. It concentrates on the dynamic relationship between cultures and religions in contemporary Asia. It also examines the relevance of religion to everyday life of the countries in the region including issues such as politics and terrorism.

*Lectures: 2 hours per week; tutorials: 1 hour per week.*

*Prerequisites: Nil.*

### **Culture and Religion in Asia (AST552; was AST452)**

*As for AST252 except:*

*Credit Points: 4*

*Murdoch: S2-internal*

*Prerequisites: Enrolment in an Honours or Postgraduate-level course.*

### **Curriculum Development for Practitioners (EDU488)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external, Y-external*

This unit deals with curriculum development from the point of view of the person developing, modifying or improving a teaching-learning program. It is of value not just to professional classroom teachers, but to anyone involved in the practicalities of

education and training in an educational institution, a corporation or public service organisation. The unit content covers the basic processes of program development (i.e. design, production, implementation and evaluation) at the local level and also examines wider curriculum issues.

*Workshops: 2.5 hours per week.*

*Prerequisites: For the 600-level version, enrolment in a postgraduate qualification or permission of the Unit Coordinator. Those enrolled in other courses should contact the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Those who have successfully completed E402 Curriculum Development may not enrol in this unit for credit.*

### **Curriculum Development for Practitioners (EDU688)**

**As for EDU488 except:**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external, Y-external*

*DUBAI-ISC: TD2-internal*

*KAPLAN-SGP: T1A-internal*

*Prerequisites: Co-requisite: Internet access if studying externally.*

### **Curriculum Leadership, Inquiry and Stimulating Conversations (EDU420)**

*Credit Points: 4*

*Murdoch: S2-external*

This unit will support participants in strengthening the knowledge and skills required for them to become curriculum leaders. It will engage with issues related to multiple knowledges and practices, leadership, planning and assessment, professional development, difference, inclusivity, quality, and theory in participants' nominated curriculum fields. Participants will consider curriculum boundaries and spaces in between. Participants are able to take a specific focus and consider learning area specific inquiry, a focus on learners, or on contexts, perspective and abilities.

*3 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Curriculum Leadership, Inquiry and Stimulating Conversations (EDU620)**

**As for EDU420 except:**

*Credit Points: 4*

*Murdoch: S2-external*

*Prerequisites: Enrolment in a Postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### **Cyber Forensics (ICT248)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*KAPLAN-SGP: T2A-internal*

Principles of cyber forensics: identification and recovery of digital evidence from computers. This evidence is used in investigations by law enforcement and other investigative bodies, legal and accounting professions, and information managers. Focus: vulnerabilities of information management systems; investigation identification, recovery, analysis and presentation of digital evidence; and trends in cyber forensics. Introduction to the processes of basic evidence identification, recovery and analysis through an investigation project. Students investigate a cyber crime and report on the evidence.

*Lectures: 2 hours per week; tutorials: 1 hour per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who completed ICT228 Special Topics in Information Technology: Cyber-Forensics may not enrol in this unit for credit.*

### **Data Resources Management (ICT616)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit looks at the information available in corporate databases as a significant strategic resource. It focuses on those issues involved in managing and strategically exploiting data, including discovery of trends and patterns and new knowledge creation. Topics include: the nature of the data resource and the intelligent enterprise; data distribution and architectures; data administration; planning, design, and exploitation of the data resource; knowledge management, and issues of data ownership and security.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: Enrolment in a postgraduate IT course.*

### **Data Structures and Abstractions (ICT209)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal*

This unit studies Abstract Data Structures (ADS) and the algorithms that operate upon them. ADS such as arrays, lists, two-dimensional structures, trees and graphs are studied along with various representations. ADS that utilise these structures are also covered. Complexity analysis is used throughout the unit. The programming language currently used in this unit is C++.

*Lectures: 3 hours per week; tutorials: 2 hour per week.*

*Prerequisites: ICT104 Principles of Computer Science.*

*Co-requisite: Internet access if studying externally.*

### **Databases (ICT218)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external, S2-internal, S2-external*

*KAPLAN-SGP: T2A-internal, T3A-internal*

This unit provides an introduction to database design, implementation and management. Topics: data modelling, the relational model, SQL, logical and physical database design, database application design, transaction management, concurrency, recovery, security, database architectures and database administration. The theory material is complemented by practical work using common database management systems.

*Lectures: 3 hours per week; tutorials: 2 hour per week.*

*Prerequisites: ICT102 Introduction to Computer Science or ICT108 Introduction to Multimedia and the Internet or ICT107 Principles of Information Systems and Data Management.*

*Co-requisite: Internet access if studying externally.*

### **Decision Making in Clinical Imaging (CHI586)**

*Credit Points: 2*

*Murdoch: T1-internal*

This unit provides an opportunity for students to practically apply their current training in clinical imaging -- modality selection, interpretation, report writing and application of outcomes to the clinical situation -- through the use of clinical decision making models. By utilising case-based scenarios the student will be introduced to a wide spectrum of available diagnostic imaging modalities and will be encouraged to expand his or her

understanding of applications for clinical imaging in preparation for clinical practice.

Lectures: 2 hours per week; laboratories/rounds: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4 OR by special application to the Unit Coordinator.

### Democracy in the 21st Century (POL297)

Credit Points: 4

Murdoch: S2-internal, S2-external

Counterterrorism is intended to safeguard democracy and 'our way of life'. This assumes that there is consensus regarding democracy. However democracy and citizenship are contested - both theoretically and in practice. With a particular focus on Australia, this unit explores what democratic citizenship might mean in the twenty-first century. Topics include liberalism, feminist and green critiques, deliberative democracy, civil society, issues of civil liberties and human rights, and citizenship, i.e. who is included and who is excluded from the 'demos'.

Lectures/tutorial: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Democracy in the 21st Century (POL697; was POL597)

As for POL297 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Derivative Securities (BUS325)

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T3A-internal

SGP1: T1B-internal, T3B-internal

This unit is designed to provide students with: a detailed understanding of the features and uses of the major derivative instruments; an understanding of how the major derivative instruments are valued and an introduction to the features of exotic derivative instruments. Alternatives to the Black-Scholes models, credit risk derivatives and advanced models in interest rate derivatives will also be examined. Work will be highly theoretical and mathematical, and a high standard is expected.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS244 Treasury Management.

### Dermatology (VET628)

Credit Points: 4

Not available 2011

This unit aims to assist clinicians develop diagnostic skills in veterinary dermatology using a practical, problem-oriented approach and provides updates on therapeutic developments for common skin problems. The unit presents different perspectives on the diagnosis of conditions such as chronic pruritus, refractory eosinophilic granuloma and recurrent bacterial pyoderma, and offers a review of management options of common skin conditions such as atopic dermatitis, dermatophytosis, and eosinophilic granuloma complex. Case-based learning using images, cytology and histopathology supplements comprehensive notes.

External.

Prerequisites: Enrolment in Master of Veterinary Studies or enrolment in Postgraduate Certificate in Veterinary Studies in Small Animal Practice.

### Design (EGL215)

Credit Points: 4

Murdoch: S2-internal

This unit investigates design from outside its decorative role, establishing it as a 'text' and identifying and expanding the ways in which it functions as a 'performer'. While maintaining a sense of art history and practice, this unit looks at the function of design in areas such as fashion, architecture, art (including graphic and digital art) and ends with participants demonstrating their understanding of the theoretical perspectives, raised by the unit, through a series of practical tasks.

Workshops: 3 hours per week.

Prerequisites: Nil.

### Design Concepts in Science and Engineering (ENG141)

Credit Points: 3

Murdoch: S1-internal

This unit describes a formal process for completing an engineering design task. This process stresses the importance of including global issues as design objectives. These issues include ethics, sustainability and social responsibility. The unit includes techniques for developing skills in critical and creative thinking, problem solving, project management and documentation. The core assessment activity for this unit is a significant team project that emphasises social awareness and the importance of sustainable solutions.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Nil.

### Design Methodologies in Instrumentation and Control (ENG508)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit explores various instrumentation and control methodologies in the context of a number of industrial problems. It will discuss strategies to design complex interacting systems. It also has a research component that prepares students for the Engineering Masters Project.

Meetings/laboratories: by arrangement with the Engineering Academic Chair.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

### Developing Community Leadership (COD236)

Credit Points: 4

Murdoch: SUM2-internal (quota of 24 places)

This unit aims to provide students with theoretical and practical knowledge to develop and enhance their leadership skills. By the completion of this unit students will have explored various issues in leadership, management and communication; had the opportunity to learn leadership skills and gain practical experience in applying these skills; and within a peer environment, had the opportunity of reflecting upon experience in a leadership role.

This includes an intensive contact period (Monday 17 January to Monday 24 January 2011, inclusive) during which students will need to attend and participate in group activities.

Prerequisites: Nil.

Exclusions: Students who have successfully completed R250 Special Topics in The Arts: Leadership Development may not enrol in this unit for credit.

This unit is subject to quota. Quota may apply, depending on room allocation. No admission requirements - students will be accepted until quota is full.

### Development and Education (EDU427)

Credit Points: 4

Murdoch: S1-external

This unit examines education's role in fostering economic, social, and political development, for both individuals and nations, in the developing and developed world. It will also show the limitations and contradictions of education for development. In addition to particular topics (health, economic development, tolerance, etc.), we will also examine development theories and multinational organisations such as the World Bank and UNESCO. This unit is relevant for postgraduate or upper-level undergraduate students interested in education policy, globalisation or international development.

External: No attendance required. On-campus meetings will usually be available.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed E430 Development and Conflict: Educational and Social Issues may not enrol in this unit for credit.

### Development and Education (EDU627)

As for EDU427 except:

Credit Points: 4

Murdoch: S1-external

Prerequisites: Enrolment in a Postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Development Studies Dissertation (AST640; was AST540)

Credit Points: 12

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

An original substantive investigation of a development issue supervised by a Murdoch University staff member. To obtain permission to undertake the Dissertation option, students must: a) have a Distinction average in coursework, and b) submit to the Academic Chair a short description of the topic of proposed research and sources to be used. Students should enrol in the Development Studies Project in the initial instance until approval to enrol in the Dissertation has been obtained.

Prerequisites: Permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Development Studies Project (AST641; was AST541)

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, Y-internal, Y-external

A major report on some aspect of development studies carried out under the supervision of an appropriate member of the University academic staff. 4-point projects will normally involve 5000 words

and 8-point projects will normally be 10,000 words.

Prerequisites: Enrolment in the MA in Development Studies.

Co-requisite: Internet access if studying externally.

### Development Studies Project (AST641; was AST541)

As for AST641 except:

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Diagnosis (VET688)

Credit Points: 4

Murdoch: S1-external

This unit is concerned with the theory and practice of diagnosis in small (companion) animals.

External: No attendance required.

Prerequisites: Enrolment in the Postgraduate Certificate in Small Animal Practice (International). All students must complete the offshore workshop prior to enrolment and must have reliable internet access.

Co-requisite: Internet access if studying externally.

### Diagnosis and Chiropractic Skills (CHI302)

Credit Points: 4

Murdoch: S1-internal

Concentrates on the details of the presentation, signs and symptoms, diagnosis of neuromusculoskeletal conditions associated with the spine and pelvis. Students will develop their motion palpation and biomechanical analysis, soft tissue, manipulation and mobilisation skills of the spine and pelvis. Identification of steps utilised to solve clinical problems and to develop and critically analyse investigative approaches to mechanical spine pain. Techniques of diagnosis, scientific method of critical appraisal, evidence-based approach, problem solving, and effective patient communication will be addressed.

Lectures/workshops: 4 hours per week; practicals: 4 hours per week; workshops: 1 hour per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of CHI282 Human Anatomy II, CHI209 Biomechanics and Diagnostic Palpation Skills, and CHI283 Physical Examination.

### Diagnostic Imaging (VET6200)

Credit Points: 4

Not available 2011

### Digital Content Production (MCC340; was MED240)

Credit Points: 4

Murdoch: S2-internal (quota of 60 places)

This unit embraces the shift to online video distribution and focuses on theory and practice in this area. Activities and areas of study include mash-ups and remixing, viral video and online marketing with video, software and interface theory, medium theory, remediation, copyright and digital rights management issues, image quality and compression, spatial montage, and more. Students completing this unit will arm themselves with skills and knowledge to create and distribute in the vocation of online screen production.

Lectures: 1 hour per week; workshops/laboratories: 2 hours per week.

Prerequisites: MCC128 Screen and Sound Production I (TV Studio) (or

MED107 Screen and Sound Production I (TV Studio) or MED107 Screen Production I (TV Studio)).

Exclusions: Students who have successfully completed MED240 Digital Studio or MCC340 Digital Studio may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Selection is based on: best mark in the prerequisite unit; best overall academic performance; Unit Coordinator's discretion when other factors need to be considered.

### Digital Marketing (BUS305)

Credit Points: 4

Murdoch: S1-internal, S2-internal

The unit aims to equip students with hands-on skills in the new and emerging digital marketplace. Students will have hands-on experience with web-based programming and associated applications, so that an appreciation of suitable business models within an era of convergent information technology can be developed for the increasingly global and customised marketplace. Social and ethical issues of digital marketing especially that of accessibility and the developing Internet culture are also addressed in this unit.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS214 Marketing Development and Planning.

### Disasters and Risk Management (STP333)

Credit Points: 4

Murdoch: UA2-internal

When does an event become a disaster? This unit introduces types of disasters and their impacts, Disaster Risk Reduction (DRR), Emergency Management, and Recovery. A key part of the course is a practical 3-day workshop which is also open to practitioners in the region. The course also looks briefly at psycho-social, project management, and security management issues relating to disasters. Case studies form a key part of this unit.

The unit will be run as an intensive unit with 35 hours of contact through lectures and workshops in the summer teaching period.

Prerequisites: Nil.

### Disasters and Risk Management (STP633)

As for STP333 except:

Credit Points: 4

Murdoch: UA2-internal

Prerequisites: Enrolment in a Postgraduate course.

### Dispute Management (MBS618)

Credit Points: 4

Murdoch: AU5-internal, AU5-external

KAPLAN-SGP: T3A-internal

SGP1: T1P-internal

The full range of mechanisms available for international commercial dispute resolution will be considered. Principal focus will be on the processes of international and domestic commercial negotiation and arbitration. International commercial negotiation and arbitration are major growth areas of dispute management practice, possibly the most widely used dispute resolution methods in international business. Students will study the practice and the law relating to international commercial arbitration and negotiation plus various sets of commonly applied international arbitration rules and negotiation tactics.

This unit will be taught intensively over 6 weeks involving both weekday

and Saturdays with lectures commencing on 11 April 2011.

Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Students must be enrolled in a Murdoch Business School postgraduate course.

Co-requisite: Internet access if studying externally.

### Dispute Resolution (LEG221)

Credit Points: 4

Murdoch: S2-internal (quota of 50 places)

This unit will explore the variety of methods that may be adopted to resolve conflicts other than by way of binding third party intervention, including bargaining, conciliation, mediation, arbitration, and hybrid forms of court processes. Other focuses of discussion will be commercial arbitration and informal community-based resolution of disputes. It will also introduce students to the skills required for participation in these processes through role playing, feedback and reflection.

Lectures and workshops: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: Students who have successfully completed L321 Dispute Resolution or L367 Alternate Dispute Resolution may not enrol in this unit for credit. LLB or Juris Doctor students may not enrol in the lower-level version for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference may be given to students in Legal Studies in their final year.

### Dispute Resolution (LAW421)

As for LEG221 except:

Credit Points: 4

Murdoch: S2-internal, SB4-internal (quota of 50 places)

Semester 1: Lectures/workshops: 3 hours per week.

SB4 offering is taught in intensive mode - please refer to the Summer Term teaching timetable for detail.

Prerequisites: Enrolment in the Graduate Certificate in Dispute Resolution OR L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedures, and L260/LAW260 Contract.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference may be given to students in Law in their final year.

### Dispute Resolution (LLM521)

As for LEG221 except:

Credit Points: 4

Murdoch: SP17-internal

Prerequisites: Enrolment in Master of Laws (Coursework).

This unit is not subject to quota.

**Dissertation (Research Project) (CHI675)**

Credit Points: 12

Murdoch: H-external, Y-external

This unit will allow students to gain specific research knowledge in a defined component within the field of Sports Science. It requires a high level of research skill and quality including a literature search, design of a research study, implementation of the study, analysis of the data results and writing the manuscript in preparation for publication.

External: No attendance required.

Prerequisites: Completion of Chiropractic Degree or equivalent. Enrolment into the MSc in Sports Science including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents. Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

**Doctor of Business Administration Thesis (MBS700)**

Credit Points: 12

Murdoch: S1-internal, S2-internal

Students should enrol in this unit for the thesis component of their DBA. Students will be required to identify their research problem, conduct a literature review, develop a conceptual framework and research methodology for their thesis. Students will then be required to undertake the proposed research project and present their findings in a thesis. Students should re-enrol in this unit until they finalise their research and submit the completed thesis (48 points).

Prerequisites: Enrolment in Doctor of Business Administration.

Students cannot self-enrol in this unit.

**Doctor of Human Resource Management Thesis (MBS784)**

Credit Points: 12

Murdoch: S1-internal, S2-internal

Students should enrol in this unit for the thesis component of their DHRM. Students will be required to identify their research problem, conduct a literature review and develop a conceptual framework and proposed methodology for their thesis. Students will then be required to undertake the proposed research project and present their findings in a thesis. Students should re-enrol in this unit until they finalise their research and submit the completed thesis (48 points).

Workload: as determined by the Academic Chair.

Prerequisites: Enrolment in Doctor of Human Resource Management.

Students cannot self-enrol in this unit.

**Doctor of Information Technology Thesis (ICT702)**

Credit Points: 12

Murdoch: S1-internal, S1-external, S2-internal, S2-external

An applied systematic examination of an information technology issue or problem. A principal supervisor is appointed from University academic staff; up to two additional supervisors may be appointed. The thesis is examined in accordance with the requirements for professional doctorates. Full-time students should enrol for 12 points each semester and part-time students for 6 points each semester until submission of the thesis. Admission/enrolment of a candidate on an external basis requires the approval of the Academic Chair.

Meetings with Supervisor: up to 1 hour per week.

Prerequisites: Enrolment in the Doctor of Information Technology and ICT650 Information Technology Research Methods or B708/ICT708 IT Research Project.

Co-requisite: Internet access if studying externally.

**Doctor of Psychology (Clinical): Practicum I (PSY703)**

Credit Points: 6

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 90 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: Enrolment in the Doctor of Psychology in Clinical Psychology; completion with an average of distinction in the Master of Applied Psychology in Clinical Psychology Year 1 required units or equivalent.

Students are able to enrol in the 3-point version of this unit to allow for the possibility that practica may straddle two calendar years.

A result of Ungraded Pass or Fail is awarded for this unit.

**Doctor of Psychology (Clinical): Practicum II (PSY704)**

Credit Points: 6

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Students must complete practical placements in appropriate agencies and organisations. They will be advised to select placements that meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 54 days total; seminars/workshops: as scheduled throughout the year.

Prerequisites: Successful completion of PSY703 Doctor of Psychology (Clinical): Practicum I; enrolment in the Clinical Stream of the Doctor of Psychology.

A result of Ungraded Pass or Fail is awarded for this unit.

**Doctor of Psychology (Organisational): Practicum I (PSY701)**

Credit Points: 6

Murdoch: S1-internal, S2-internal, Y-internal

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

Practical placements: 72 days total; seminars: fortnightly.

Prerequisites: Enrolment in DPsych (Organisational Stream only).

A result of Ungraded Pass or Fail is awarded for this unit.

**Doctor of Psychology (Organisational): Practicum II (PSY702)**

Credit Points: 6

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology

specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

*Practical placements: 72 days total; seminars: fortnightly.*

*Prerequisites: S701/PSY701 Doctor of Psychology (Organisational); Practicum I.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Doctor of Psychology Thesis (PSY700)**

*Credit Points: 36*

*Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal*

An innovative and systematic investigation of an applied psychological problem, conducted usually in an applied setting, is required. A thesis supervisor will be appointed for each candidate from the University lecturing staff in Psychology. The thesis must be presented for examination in accordance with University requirements for Master of Philosophy and Doctor of Philosophy theses.

*It is a course requirement for students enrolled in the Organisational stream to attend a series of seminars on research methodology.*

*Prerequisites: Enrolment in DPsych; completion with distinction of MAppPsych Year 1 required units or equivalent.*

*Students cannot self-enrol in this unit.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Documentary (MCC333; was MED333)**

*Credit Points: 4*

*Murdoch: S1-internal*

*DUBAI-ISC: N2-internal*

*KDUPJ: S1K-internal*

*SGP1: T2B-internal*

This unit introduces students to the main issues and debates in the study of documentary film from the perspective of history, genre, theory and ethics, as well as its social and cultural functions. The unit shows how documentary techniques influence the way we organise knowledge about the world, and the way we represent ourselves and others. The unit will also have a production component where students will have the option to make a 10-minute documentary from 'found' material.

*Lectures: 1 hour per week; screenings: 2 hours per week; tutorials: 1.5 hours per week.*

*Note: Lectures and tutorials for this unit commence in Week 1 of the semester.*

*Prerequisites: MCC116 Introduction to the Screen (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies).*

*Exclusions: Students who have successfully completed MED333 Documentary may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

### **Documentary (MCC633; was MED533)**

**As for MCC333 except:**

*Credit Points: 4*

*Murdoch: S1-internal*

*Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.*

*Exclusions: Students who have successfully completed MED533 Documentary may not enrol in this unit for credit.*

### **Drama and the Curriculum (Secondary) (EDN312; was EDU2041/EDU2721)**

*Credit Points: 2*

*Murdoch: S1-internal, S1-external*

Explores ways that teachers and students in school settings develop deeper understanding of drama. Explores drama as an art form: its conventions, styles, forms, technologies, skills and processes together with its placement in historical, social and cultural contexts. Focuses on understanding drama curriculum and drama teaching; teaching practice that integrates theory with practical strategies and approaches for effective learning; and contemporary contexts including the Curriculum Framework. Develop a Teaching Portfolio and ways of becoming a community of drama educators.

*Lectures/workshops: 5 hours per week during Semester 1; students may be required to attend additional on-campus workshops (or equivalent by negotiation) and are required to take part in supervised in-class assessments as advised.*

*External students: attendance at intensive on-campus sessions and supervised in-class assessments is required, as advised.*

*Due to the practical nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)] OR Graduate Certificate in Drama Teaching. Where this unit is taken as part of the Graduate Certificate in Drama Teaching, students must have a recognised university degree and/or teaching qualifications. Students who are not qualified teachers but have had at least two years of full-time recent, relevant and satisfactory teaching experience may seek admission to this Certificate. In these cases enrolment in a teacher education course may be waived.*

*Co-requisites (for all students): Internet access and digital technology.*

*Co-requisite: Internet access if studying externally.*

*Curriculum teaching minor in Drama requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the English and Creative Arts major (or equivalent).*

*Students should also be enrolled in relevant School Experience: EDU3162 or EDU2162.*

### **Drama and the Curriculum (Secondary) (EDN412; was EDU204/EDU272)**

**As for EDN312 except:**

*Credit Points: 4*

*Murdoch: UW2-internal, UW2-external*

*Lectures/workshops: 5 hours per week during Semester 1 and intensive workshops during Winter Term (or equivalent); students may be required to attend additional on-campus workshops (or equivalent by negotiation) and are required to take part in supervised in-class assessments.*

*External students are required to attend on-campus intensive workshop/lectures and supervised in-class assessments as advised. This unit includes the equivalent of three days of intensive workshops during the Winter term, as advised.*

*All students need to access LMS during this unit to submit work electronically and to complete digital assignments as required.*

*Due to the practical nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites: Co-requisite: Internet access if studying externally.*

*Curriculum teaching major in Drama requires a maximum of two units (6 points) at Part I-level and at least one unit (4 points), preferably more, at Part II-level from the English Creative Arts major (drama specific) (or equivalent).*



Students should also be enrolled in EDU3161 School Experience: Secondary BEd for students enrolled in the BEd (Secondary)/BA (English and Creative Arts) where taking this unit (EDN412) as a curriculum major OR

Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the BEd (Secondary) and taking EDN312 as a curriculum minor OR

Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the GradDipEd (Secondary) as a curriculum major (EDN412) or minor (EDN312).

### Drawing (MCC172)

Credit Points: 3

Murdoch: S1-internal

This unit is an introduction to the principles of drawing. Through set projects, students will explore the rigorous formal, conceptual, analytical and expressive drawing techniques to develop and expand their drawing skills.

Laboratories: 3 hours per week.

Prerequisites: Nil.

### Drawing Studio (MCC273)

Credit Points: 4

Not available 2011

This unit builds on the technical and expressive skills gained from the first year Drawing unit. Students will rigorously develop drawing skills required for their competent application in a range of design and games-related industries.

Laboratories: 3 hours per week.

Prerequisites: MCC172 Drawing.

### Earth System Science (ENV314)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit develops the concepts of system modelling and its application to global change. In particular, the interactions between the Earth's physical spheres (the lithosphere, hydrosphere, biosphere and atmosphere) and society are considered and emphasis is given to highlighting the impact of future climatic change for application in impact models.

Lectures/workshops: 2 hours per week.

Prerequisites: ENV213/ENV513 Atmospheric Science or PEC332/PEC632 Greenhouse Science and Policy.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have previously completed ENV330/ENV630 Special Topics in Environmental Science: Earth System Science may not enrol in this unit for credit.

Graduate, Postgraduate Honours students and Undergraduate students intending to enrol in the four year Bachelor of Environmental Science should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Earth System Science (ENV614)

As for ENV314 except:

Credit Points: 4

Murdoch: S2-internal, S2-external  
KAPLAN-SGP: T3A-internal

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have previously completed ENV330/ENV630

Special Topics in Environmental Science: Earth System Science may not enrol in this unit for credit.

### Earth, Fire, Wind and Water: Australian Environmental History (HIS283)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit examines aspects of the interaction between human history and the Australian environment. It considers questions such as the impact on the Australian continent of millennia of Aboriginal occupation; the transformation of the land wrought by Europeans; issues and conflicts arising from changing understandings of the Australian environment; and the nature of belonging. Finally, the unit addresses some of the major environmental and ethical issues that confront Australians facing the twenty-first century.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Ecology (ENV268)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T3B-internal

Ecology concerns the interaction of biota and the environment. Study key ecological concepts and techniques, and their implementation in the field. Consider biogeographic aspects of the Australian biota as a foundation for examination of the four tiers of ecology: the individual, populations, communities and ecosystems. The unit is taught from an evolutionary perspective. A field component is an integral part of the unit and all students participate in the collection and interpretation of a substantial set of ecological field data.

Lectures: 3 hours per week; practical work: 1-week field trip in semester break.

External students should note that this unit has a compulsory week-long on-campus component.

Prerequisites: BIO103 Environmental Biology or the Bachelor of Applied Science in Environmental Science.

Co-requisite: Internet access if studying externally.

### Econometrics (BUS294)

Credit Points: 4

Murdoch: S2-internal, S2-external

Econometrics is concerned with the empirical testing of economic and finance theories. A working knowledge of the subject is essential for those students intending to work as professional economists, financial analysts and business professionals. This unit adopts a hands-on approach to the subject, combining the theory of econometrics with the use of the latest computer packages. The unit provides students with a good working knowledge of the subject and the ability to solve practical problems.

Lectures: 1 hour per week; computer laboratories: 2 hours per week.

Prerequisites: BUS161 Introduction to Economics; MAS164 Fundamentals of Mathematics or MAS180 Introduction to Statistics or MAS183 Statistical Methods.

Co-requisite: Internet access if studying externally.

### Economics and Business Strategy (MBS666; was MBS556)

Credit Points: 4

Murdoch: S2-internal, S2-external

Increasing competition and rapid technological change mean that, more than ever before, managers must have a sound understanding of the economic fundamentals of business enterprises, the operation of markets and the role played by governments. In this unit particular emphasis is given to the strategic interdependence of many businesses and their efficiency.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Economics for Sustainability (STP205)

Credit Points: 4

Murdoch: W3-internal, W3-external

Intensive unit taught by Murdoch staff and guest lecturers from the private sector, non-government organisations and government agencies. Uses the explanatory and policy power of economics while pushing its boundaries, seeking alternative economic tools and developing further our understanding of the role of economics for a more sustainable development. Concepts: economic cycles and innovation for sustainability, full cost accounting, benefit-cost analysis, economic assessment techniques and life-cycle analysis.

Lectures: 3 hours per week; tutorials/workshops: 3 hours per week (over the five teaching weeks of winter term).

Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Economics for Sustainability (STP605; was STP505)

As for STP205 except:

Credit Points: 4

Murdoch: W3-internal, W3-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Economics of Globalisation (MBS531)

Credit Points: 4

Murdoch: SUM-internal, SUM-external

DUBAI-ISC: TD1-internal

This unit introduces students to the global forces that are currently determining the state of play in international economics and economic relations. Nationally determined economic management and its effectiveness will receive scrutiny in the light of globalising tendencies. Includes the historical development of globalisation, free trade vs. protectionism, economic integration, world financial markets, multinational corporations, labour and distributional issues, the environment, global economic institutions, and the rise of anti-globalisation movements.

Lectures/seminars/workshops: 3 hours per week.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for summer term.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Editing Practice (EGL204)

Credit Points: 4

Not available 2011

Drawing on the expertise of established editors and samples of the best editing and publishing practice, this unit will provide students with skills required for editing a range of professional, technical and

creative writing texts. Students will have the opportunity to take a publishing project through the successive stages of the editing process, to explore and carry out different levels of editing, and to become familiar with the specific requirements of different publishing projects.

Lectures: 1 hour per week; tutorials: up to 1.5 hours per week.

Prerequisites: Nil.

### Education for Social Justice (EDN224; was EDU230)

Credit Points: 4

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit deals with historical and contemporary social issues and policies relevant to Aboriginal education in particular and antiracism teaching in general. To fulfil the unit's requirements (and to become effective education practitioners), students will need to read critically, analyse and reflect on issues such as teaching strategies, curricular issues and the general learning environment for children from culturally and linguistically diverse backgrounds.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Education for Social Justice (EDN2241)

As for EDN224 except:

Credit Points: 3

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Education in a Faith Community (THE276)

Credit Points: 4

Not available 2011

Aims to assist those working within communities of voluntary commitment, such as Christian churches, to assess critically and theologially the appropriateness to such contexts of current education models. General schooling issues are not addressed. It compares the Hellenistic and Hebraic strands in the western concept of education and develops a modified approach to curriculum development in a faith community more compatible with biblical principles. Skills of program design and the guidance of learning in voluntary contexts will be developed.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Highly recommended: S107/THE107 Introduction to Theology or S105 Foundations of Theology; and E101/EDU101 Introduction to Teaching or EDN112 Understanding Teachers' Work.

### Education Policy and Teachers' Work (EDU458)

Credit Points: 4

Murdoch: S2-external

This unit examines the impact of educational policy on the lives and work of teachers and how it affects their choices in the areas of curriculum and pedagogy and their overall sense of ownership of their work. The unit will introduce students to recent developments in critical policy analysis for the purpose of investigating educational policies relevant to their own professional development and interests in schools, tertiary institutions or vocational education and training.

External: no attendance required, however on-campus meetings will be available at Rockingham campus.

Prerequisites: For the 600-level version of the unit, enrolment in a Postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Education Policy and Teachers' Work (EDU658)

**As for EDU458 except:**

Credit Points: 4

Murdoch: S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Education Project (EDU600)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD1-internal

KAPLAN-SGP: T3A-internal

A supervised project, resulting in a scholarly report of approximately 6000 words. This will provide evidence that the participant can generate a problem and/or research area from their own interests or professional work in education. The project will be: a) a critical review that demonstrates mastery of a problem area; or b) independent research into an identified research problem. Approval by the supervisor, on the basis of a written proposal, must be obtained before the project commences.

Individual or group consultation arranged. Regular on-campus meetings also conducted and recommended.

Prerequisites: Normally taken as the final component in the MEd (Coursework) degree, provided that F605/EDU605 Master of Education Project is not part of that degree.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed F605/EDU605 Master of Education Project may not enrol in this unit for credit.

### Education Provision for Gifted and Talented Students (EDU629)

Credit Points: 4

Murdoch: SP23-internal

This unit will focus on education provision for gifted students in the classroom and other education and community contexts. It will address the teaching and learning adjustments that meet the diverse learning needs of gifted students in the classroom using a range of educational models used successfully within Australia and internationally. On completion of the unit, students will be well equipped to design, deliver and critique education provision for gifted students in the classroom and other education and community contexts.

Includes 5 intensive days in 2011 comprising of 3 days in July (first week of WA school holidays) and two Saturdays in August.

Prerequisites: Enrolment in the Postgraduate Certificate in Gifted and Talented Education, or a Masters or Doctoral degree in Education, or permission of the Unit Coordinator.

### Educational Planning and Management (EDU455)

Credit Points: 4

Murdoch: S1-external

This unit commences with an exploration of factors that currently drive educational reform in Australia and overseas. The unit focuses on planning and management as processes that both promote and depend upon the participation of all members of the learning community. The roles and responsibilities of various stakeholders are examined and issues related to fostering an environment of shared decision-making are considered. The human aspect of managing change for school improvement is also an important aspect of this unit.

External: No attendance required. On-campus and/or online contact will

usually be available.

Prerequisites: For the 600-level version of the unit, enrolment in a Postgraduate qualification or permission of the Unit coordinator. For the 400-level version, pre-service teachers and other undergraduate students will require permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed E527 Educational Planning and Management may not enrol in this unit for credit.

### Educational Planning and Management (EDU655)

**As for EDU455 except:**

Credit Points: 4

Murdoch: S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Effective Leadership (MBS671; was MBS571)

Credit Points: 4

Murdoch: S1-internal, S1-external

DUBAI-ISC: TD2-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S1K-internal

SGP1: T1N-internal

This unit will explore the nature and role of leadership using selected readings, case studies, discussion and practical application. Issues such as 'What is leadership?', 'What do leaders do?' and 'What determines a leader's success or failure?' will be tackled, as well as the key question, 'What is the difference between leading and managing?' The unit also looks at distributed leadership where everyone in the organisation contributes to developing the organisation's leadership capability.

Lectures/seminars/workshops: 3 hours per week.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for summer term.

Prerequisites: Enrolment in a postgraduate-level course. Students in the Postgraduate Certificate in Business Administration (Masterclass) will be enrolled in MBS6712.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot enrol in both MBS6712 Effective Leadership and MBS671 Effective Leadership for credit.

### Effective Leadership (MBS6712)

**As for MBS671 except:**

Credit Points: 4

Murdoch: SUM1-internal

Taught intensively during the Summer term.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in C1083 Postgraduate Certificate in Business Administration (MasterClass).

Exclusions: Students cannot enrol in both MBS6712 Effective Leadership and MBS671 Effective Leadership for credit.

### Electromagnetism (PEC232)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides the foundation theory of electromagnetism. The core subject matter discusses the distributions of static electric fields, static magnetic fields and time-varying electromagnetic fields in free space and in media. Maxwell's equations and variation of them are used to analyse the propagation of plane electromagnetic

waves. The interaction of these waves within different media is then studied. The ideas of electromagnetism are applied to illustrate the function of devices used in daily life.

Lectures: 2 hours per week; tutorials: 2 hours per week; laboratories: 3 hours per week for 6 weeks.

Prerequisites: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra. MAS261 Mathematical Methods is highly recommended for this unit.

Co-requisite: Internet access if studying externally.

### Electromechanical Energy Conversion (ENG347)

Credit Points: 4

Murdoch: S1-internal

This unit is concerned with the conversion of energy between electrical and mechanical forms by way of magnetic fields. It covers transformers and electromechanical energy conversion devices such as synchronous, induction and DC machines.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra; ENG243 Circuits and Systems II.

### Electromechanical Energy Conversion (ENG547)

As for ENG347 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Electronic Practice and Litigation (LAW326)

Credit Points: 4

Not available 2011

Technology will be used increasingly as a tool in litigation management and in courtrooms. Technology is challenging litigators and courts to harness its advantages. However, the technology must also satisfy the special requirements of courts and the parties to litigation. This unit will cover electronic lodgement of documents at the courts, litigation management as a lawyer, the use of technology to enhance a trial, and electronic appeals.

Intensive mode over 5 days.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, L350/LAW350 Civil Procedure.

Exclusions: Students who have completed LAW3004 Special Topics in Law: Electronic Practice and Litigation may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited resources. Preference will be given to students in Law in their final year.

### Employee Relations (BUS222)

Credit Points: 4

Murdoch: S1-internal, S1-external  
KDUPJ: S1K-internal

This unit provides an introduction to the Australian employment relations environment. Topics to be examined include labour market issues, different approaches to employee relations, the role

of government, unions, management and employer associations, collective bargaining, dispute management and workplace negotiation. This unit is part of the Human Resource Management and Management majors and minors.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management.

Co-requisite: Internet access if studying externally.

### Employment Relations in Asia (BUS251)

Credit Points: 4

KAPLAN-SGP: T2A-internal

SGP1: T2B-internal

This unit provides an introduction to employment relations environments in Asia. It includes an examination of labour market conditions, the role of government, unions and employer associations, collective bargaining, dispute management and other workplace issues.

Lectures: 1 hour; workshops: 1 hour.

Prerequisites: BUS145 Principles of Management.

### Employment Relations Law (LAW363)

Credit Points: 4

Murdoch: W14-internal

Examines the legal regulation of the relationship between employer and employees in Australia. Reviews the contract of employment before focusing on the Federal industrial relations system, locating it in its constitutional context and examining the nature of statutory regulation of industrial relations. Topics: roles of the Australian Industrial Relations Commission and the Employment Advocate, enterprise bargaining, control of industrial action and unfair dismissal. Western Australian law and practice, occupational health and safety provisions and workers' compensation legislation are briefly considered.

As this unit is taught intensively over one week, students are recommended to seek confirmation of the exact attendance dates and requirements from the School of Law closer to the commencement date of the teaching period.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have successfully completed C228/BUS228 Employment Law may not enrol in this unit for credit.

### Energy Economics (PEC393)

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external

Covers the economic theory relevant to the energy sector, including discounted cash flow analysis, levelised cost, benefit-cost analysis and the internalising of externalities. Another major topic will be price determination and risk management. Attention is given to open access to energy facilities, the taxation of the energy sector, and the role of public utilities and government industry regulators. The unit emphasises that the role of the market should always be considered within the broader ecological and social context.

Lectures/tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level code for this unit.

**Energy Economics (PEC593; was PEC493)****As for PEC393 except:**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external  
KAPLAN-SGP: T2A-internal, T3A-internalPrerequisites: Enrolment in an honours or postgraduate level course.  
Co-requisite: Internet access if studying externally.**Energy Efficiency, System Analysis and Auditing (PEC625; was PEC425)**

Credit Points: 4

Murdoch: S2-external, Y-external

This unit is the first of two units that look at advanced methods in energy efficiency. Topics: energy surveys, mass and energy balances, thermodynamics, energy, air psychometrics, heat transfer and introductory process integration (pinch technology).

External: no attendance required.

Prerequisites: PEC594 Energy Management or equivalent. Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy.

Co-requisite: Internet access if studying externally.

This unit is taught externally/online by staff from Massey University with tutorial support from Murdoch staff.

**Energy Efficient Buildings (PEC370)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit examines approaches to reducing energy consumption in residential and commercial buildings resulting from the design and use of the building and its energy services. The unit covers the principles of energy efficient building design as well as use and interpretation of energy and sustainability audits. Identification of options for reducing energy use through renovation and retrofitting as well as occupant behaviour are also covered.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: PEC292 Energy in Society.

Co-requisite: Internet access if studying externally.

**Energy Efficient Buildings (PEC670; was PEC470)****As for PEC370 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

**Energy in Society (PEC292)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external, Y-external

This is a unit about energy sources and how they are utilised to produce power for human society. It is based on a multidisciplinary approach and covers patterns of consumption; energy conversion

technology; environmental and social impacts; conventional and alternative sources; energy conservation and options for future energy supplies.

Lectures/tutorials: 3 hours per week (internal students only).

Prerequisites: Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level version of this unit (PEC592).

**Energy in Society (PEC592; was PEC492)****As for PEC292 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external, Y-external  
KAPLAN-SGP: T2A-internal, T3A-internal

Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy. Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

**Energy Management (PEC294; was PEC291)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external, Y-external

A study of the efficient use of energy in buildings, factories and transport systems; techniques for measuring and monitoring energy use; approaches to optimising the performance of electrical appliances and systems; design principles to minimise energy use in buildings and devices and an assessment of the relative costs of energy conservation and energy production in various applications. The unit will include an energy audit and a project report on the results and conclusions.

Lectures/tutorials: 3 hours per week (internal students only).

Prerequisites: Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: M292/PEC292 Energy in Society.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have previously completed PEC291 Energy Management may not enrol in this unit.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level code for this unit.

**Energy Management (PEC594; was PEC494)****As for PEC294 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external, Y-external  
KAPLAN-SGP: T2A-internal, T3A-internal

Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: M492/PEC492/PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

**Energy Policy (PEC391)**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

The objective of this unit is to provide an understanding of the public policy processes and institutions that give rise to the shape, direction and outcomes in the energy sector. The sources of energy policy objectives are explored and the range of policy instruments to achieve such objectives is outlined. Political and economic drivers of policy formation are explored in the areas of fossil fuel policy, nuclear energy, the global environment, renewable energy, and energy sustainability.

Lectures/tutorials: 2 hours per week.

Prerequisites: Nil. Recommended: M292/PEC292 Energy in Society.

Co-requisite: Internet access if studying externally.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level version of this unit.

**Energy Policy (PEC591; was PEC491)****As for PEC391 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

KAPLAN-SGP: T2A-internal, T3A-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Recommended: PEC492/PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

**Energy Studies Project (PEC396; was PEC496)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external

This unit gives the student the opportunity to investigate a particular area of Energy Studies in significant detail. The Energy Studies Project may be based on experimental or desktop research. It may involve field or laboratory based experiments, surveys, case studies, or policy research or analysis based on literature reviews and independent thought. Students should consult the Unit Coordinator for a list of possible topics. Project proposals must be approved by the Unit Coordinator before work commences.

No attendance required.

Prerequisites: PEC292 Energy in Society and PEC294 Energy Management and enrolment in the BSc Sustainable Energy Management.

Co-requisite: Internet access if studying externally.

**Energy Studies Project (PEC596)****As for PEC396 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external

KAPLAN-SGP: T3A-internal

Prerequisites: PEC592 Energy in Society; PEC594 Energy Management; enrolment in the Postgraduate Diploma in Energy Studies or the Postgraduate Diploma in Energy and the Environment or the Master of Science in Renewable Energy.

Co-requisite: Internet access if studying externally.

**Energy Supply Systems (ENG352)**

Credit Points: 4

Murdoch: S2-internal, Y-external

An introduction to the design and operation of energy conversion and supply systems. The focus is principally on small to medium scale energy systems currently in use in Australia. Key areas covered

include engine-based RAPS systems, hybrid systems, photovoltaic systems, wind power systems and solar thermal systems. Co-generation systems, fuel cells and microhydro systems are also considered. Practical sessions are used to illustrate the concepts from the lectures.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra; ENG262 Principles of Electronic Instrumentation.

Co-requisite: ENG267 Control Systems and Process Dynamics.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot complete this unit and PEC390 Energy Systems for credit.

**Energy Systems (PEC390)**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

An introduction to the design and operation of energy conversion and supply systems. The focus is on the principal small to medium scale energy systems currently in use in Australia. Key areas covered include engine-based RAPS systems, hybrid systems, photovoltaic systems, wind power systems and solar thermal systems. Co-generation systems, fuel cells and microhydro systems are also considered.

Lectures/tutorials: 3 hours per week.

Prerequisites: Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: M292/PEC292 Energy in Society.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot complete this unit and ENG352 Energy Supply Systems for credit.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level code for this unit.

**Energy Systems (PEC590; was PEC490)****As for PEC390 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

KAPLAN-SGP: T3A-internal

Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, or Master of Science in Renewable Energy. Knowledge of physics equivalent to PEC120 General Physics OR a final scaled score of 60% or more in Physics 2A/2B or PEC152 Principles of Physics. Recommended: PEC492/PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

**Engaging Communities through Drama (EDN352)**

Credit Points: 4

Not available 2011

Drama and theatre educate in the broad sense. This unit explores how children, adolescents and community learn through participating in drama as a dynamic, transformative art. It bridges drama in schools and drama in wider community contexts through practical embodied learning workshops, performance projects and placements underpinned by theoretical exploration of the uses and purposes of applied drama and theatre. It engages with new practices in drama, theatre and performance designed to make a difference in participants' lives.

Lectures/workshops: 4 hours per week; rehearsals and performance: as required.

Students are required to attend and participate in lectures/workshops. All students will need to access LMS during this unit to submit work electronically and create digital portfolios/assignments.

Prerequisites: Nil. Co-requisite (for all students): Internet access and digital completion of assignments as stipulated in the Unit information and Learning Guide.

### Engineering Design (ENG428)

Credit Points: 4

Murdoch: S1-internal, S2-internal

In this unit students are exposed to a design task, specialised to each of the engineering disciplines. It is required to adopt a global approach to define a problem, develop a solution and present this in writing and verbally. Project work, sometimes team based, will involve a design task and the development of a solution to the problem. This may take the form of a corporate package, a mathematical formulation, a physical device or an analytical strategy of some kind.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator, academic supervisor and team members.

Prerequisites: Completion of all required third year Engineering units.

### Engineering Internship (ENG450)

Credit Points: 12

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

This unit provides exposure to industrial engineering projects and involves elements of specification, design, implementation, testing, documentation, demonstration and presentation. The unit brings together all aspects of the student's knowledge, training and skills. Students will prepare a project report, deliver seminars describing the project, and attend meetings with academic and industry supervisors as required.

Meetings: as required.

Prerequisites: Permission of Engineering Academic Chair.

### Engineering Law, Management and Ethics (ENG453)

Credit Points: 4

Murdoch: S1-internal

This unit provides exposure to a wide range of aspects of the practice of engineering. Topics: strategic management -- the management of both human and financial resources; the law -- as it relates to contract and tort, copyright and intellectual property; ethics -- the engineering code of ethics and its operation in engineering practice; professionalism -- the roles and responsibilities of the professional engineer.

Lectures and workshops: 4 hours per week.

Prerequisites: Completion of 40 or more points at Part II.

Exclusions: Students who have successfully completed ENG417 Engineering Studio: Law, Management and Ethics may not enrol in this unit for credit.

### Engineering Signals and Systems (ENG429)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit aims to provide an understanding and practical experience with the acquisition, processing and analysis of signals obtained from typical engineering measurement systems. It essentially represents a culmination of the material under the broad category of signals and systems. Although a range of theoretical concepts are

addressed, emphasis is upon using modern computer-based hardware components and software packages. Acquisition, processing and analysis of signals from a broad range of engineering systems will be considered.

Meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME or permission of the Engineering Academic Chair.

### Engineering Technology Project (ENG310)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

This unit involves the undertaking of a design project in an area of Engineering Technology. Students will be expected to demonstrate an understanding of the underlying principles of the task to be done and, under supervision, complete a small scale project, which will require some elements of specification, design, developments and testing. Additionally, students must present their work both verbally and in written form.

Meetings/laboratory work: as required.

Prerequisites: Permission of the Engineering Academic Chair.

### Engineering Thesis (ENG460)

Credit Points: 12

Murdoch: DE2-internal, H-internal, S1-internal, SUM-internal, WU3-internal, Y-internal

This unit provides exposure to, and experience with, a significant engineering project, with emphasis upon industrially based projects. Typically this involves elements of specification, design, implementation, testing, documentation, demonstration and presentation. The unit is designed to bring together all aspects of the students knowledge, training and skills developed within Engineering. Each student is required to prepare a substantial thesis together with verbal presentation of the final result.

Meetings with Supervisor: as required.

Prerequisites: Permission of Engineering Academic Chair.

### English and the Curriculum (Secondary) (EDN313; was EDU2721/EDU2751)

Credit Points: 2

Murdoch: S1-internal, S1-external

This unit aims to prepare students for teaching English, with particular application to Western Australian secondary classrooms. The emphasis is on the construction of a teaching practice which integrates theory with practical strategies for effective learning. Attention is given to the application of the Curriculum Framework and student outcome statements for the English learning area.

Lectures/workshops: 25 hours.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Curriculum teaching minor in English requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the English and Creative Arts or Gender and Cultural Studies majors.

### English and the Curriculum (Secondary) (EDN413; was EDU272/EDU275)

**As for EDN313 except:**

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Lectures/workshops: 50 hours (includes the equivalent of two days of intensive workshops during the Winter term).

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Co-requisite: Internet access if studying externally.

Students should also be enrolled in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary)/Bachelor of Arts (English and Creative Arts) where taking this unit (EDN413) as a curriculum major.

OR

Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN313 as a curriculum minor

OR

Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN413 as a curriculum major or EDN313 as a curriculum minor.

**English Language Studies (EGL151)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

Develops English language skills and cultural understanding of students from other language and cultural backgrounds in both academic and general contexts. Topics include adjusting to the Australian university culture and its values, standards and expectations, and the dominant values and characteristics of mainstream Australian culture. Students will reflect on the similarities and differences they encounter with their own educational and cultural background and experiences. Lectures, tutorials and other cultural activities are designed to enrich the learning outcomes in this unit.

Lectures/tutorials: 3 hours per week.

Prerequisites: Nil. This unit is designed for students for whom English is a second (or additional) language, both international and local, undergraduate and postgraduate. Students with advanced English language proficiency (i.e. approaching native speaker levels) may be excluded at the discretion of the Unit Coordinator.

**Entrepreneurship and Innovation Management (MBS629)**

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD3-internal

SGP1: T2Q-internal

This unit explores the development and management of start-up enterprises, focusing on commercialisation of new business ideas and new technologies. Including consultancies, ICT, biotechnology, health practices and other new ventures. Topics include: opportunity recognition and evaluation, the development of technological, operational and exit strategies, innovation practices and creativity, capital raising and network building. Students will work in small groups developing a feasibility plan to launch a new venture and learn how to pitch and sell their new business.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Entrepreneurship in Organisations (BUS274)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores the ways in which entrepreneurs start new enterprises. It focuses on the development of an entrepreneurial mind and the launch of a new business venture. It also touches upon social entrepreneurship, ethics and eco-preneurship, three upcoming forms of entrepreneurship in current economic and environmental climates. The unit is designed for students interested in creating or redeveloping a sustainable new business, or who have an interest in how businesses could be built and run in today's society.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: BUS145 Principles of Management.

Co-requisite: Internet access if studying externally.

**Environmental and Biological Modelling (MAS305)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit will examine in detail mathematical models of population ecology, biochemical kinetics, physiological problems, blood flow and spatial characteristics of the spread of pollutants and of disease as well as applications in groundwater flow and marine science (including ideas from basic oceanography). Mathematical techniques covered may include regular and singular perturbation theory, conservation laws and dimensional analysis, complex variables and partial differential equations. Numerical analysis will be incorporated throughout the unit as it is required.

Lectures: 3 hours per week; tutorials/computer laboratories: 1 hour per week.

Prerequisites: A208/MAS208 Mathematical Modelling or M261/MAS261 Mathematical Methods.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and any of MAS164 Fundamentals of Mathematics, MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics concurrently.

**Environmental and Social Accounting (BUS249)**

Credit Points: 4

Not available 2011

This unit studies the impact of accounting information on the decision making processes within organisations that affect the natural environment. Topics include environmental financial accounting, environmental management accounting, triple bottom-line reporting, environmental accountability and environmental auditing. The unit has an information user perspective covering theoretical and practical elements such as eco-efficiency, legitimacy and stakeholder issues. It utilises a number of case studies in order to explore the role of accounting in the context of sustainable business development.

Lectures/workshops: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Environmental Architecture Dissertation (PEC673; was PEC573)**

Credit Points: 8

Murdoch: Y-internal, Y-external

This is a research-based project aimed at integrating environmentally sensitive building design and scientific analysis into practice. It enables the principles developed in the coursework component of the Master of Science in Environmental Architecture



to be applied in order to further the knowledge of the field or develop advanced design competency on an environmentally sensitive building design.

No formal contact hours determined.

Prerequisites: Enrolment in Master of Science in Environmental Architecture.

Co-requisite: Internet access if studying externally.

### **Environmental Assessment and Management (ENV522; was ENV422)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit explores the application of science to environmental assessment and management for environmental professional practice. Emphasis is given to environmental decision-making and public engagement. Techniques and challenges in environmental assessment and management at all scales of application from the local to regional, national and international level, and across a range of applications including protected area management, industry, government planning agencies and environmental impact assessment are addressed. Workshops and case studies enable practical, multi-disciplinary and interactive learning.

The equivalent of 4 contact hours per week.

Prerequisites: Undergraduates: completion of all of the 300-level required units in the BSc (Environmental Science) or permission of the unit coordinator.

Postgraduates: enrolment in a postgraduate environmental science, or similar, course. Completion of ENV319/619 Environmental Management. Completion of or concurrent enrolment in ENV520 Principles of Environmental Impact Assessment, or completion of ENV420 Principles of Environmental Impact Assessment.

Co-requisite: Internet access if studying externally.

### **Environmental Biology (BIO103)**

Credit Points: 3

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

This unit introduces the theoretical and practical framework underpinning studies of natural ecosystems. Topics of classifying biodiversity, interactions within the biosphere and human impacts are explored using the unifying themes of the scientific method, the cell theory and evolution. Detailed examples include the near shore marine environment, the freshwater environment and the arid terrestrial environment. Australian case studies illustrate basic principles. Practical work reinforces the environmental theme while building skills in observation, quantification, experimental design and interpreting data.

Lectures: 3 hours per week; laboratories/field work: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Environmental Building Services (PEC375)**

Credit Points: 4

Murdoch: S2-internal, S2-external

The unit looks at environmentally sensible building services. It starts with an investigation of emerging technologies for building services. It then looks at how permaculture principles can be applied to the built and natural environment. Finally the unit looks at solar and renewable energy systems that can be integrated into buildings and the built environment.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Environmental Building Services (PEC675; was PEC575)**

As for PEC375 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Admission to the Master of Science in Environmental Architecture or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### **Environmental Education for Sustainability (EDU450; was EDU250)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This is a practical, project-based unit which provides participants the opportunity to network with organisations and individuals in the field of environmental education for sustainability. It introduces participants to the principles of environmental education for sustainability using local environmental issues as illustrations. It provides participants with information and first hand experience of the many environmental programs and resources available in Western Australia, and addresses the links between these environmental opportunities and curricula development at all levels.

Two intensive weekends (Saturday morning to Sunday afternoon) near the start and middle of the semester and one half-day on a weekend near the end of the semester. Participants will work on individual projects during semester.

Due to the nature of offering this unit participants are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Environmental Education for Sustainability (EDU650; was EDU450)**

As for EDU450 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Environmental Management (ENV319)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit covers the procedures by which different environments can be managed for different objectives. Case studies illustrate environmental problems and their management, and the unit takes a problem-solving approach. Selected case studies are used to define and understand environmental problems, determine management objectives and develop appropriate management strategies. Case studies may involve environmental management for nature conservation, recreation, or industrial production. The environmental management system and corporate sustainability reporting are studied in practical sessions.

Lectures: 2 hours per week; tutorials: 2 hours per semester; practical work: 39 hours per semester.

External students should note that this unit has a compulsory week-long on-campus component during the 'non-teaching' weeks of semester.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

*Prerequisites:* Completion of at least 20 points at Part II or enrolment in a postgraduate course from the School of Environmental Science.  
*Co-requisite:* Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Environmental Management (ENV619)**

**As for ENV319 except:**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

*Prerequisites:* Enrolment in a postgraduate course from the School of Environmental Science.

*Co-requisite:* Internet access if studying externally.

### **Environmental Monitoring (ENV505; was ENV450)**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

This unit provides a conceptual background to the design and implementation of environmental monitoring programs, and practical experience in the collection, analysis, interpretation and reporting of monitoring data. The unit considers physical, chemical, biological and social monitoring, and short and long term programs. Geographical information systems and remote sensing are given special attention. The unit considers monitoring of terrestrial and aquatic (both marine and freshwater systems) in addition to airborne compounds and social systems.

*Lectures:* 2 hours per week; *practical work:* 3 hours per week.

*Prerequisites:* Undergraduates: ENV102 Introduction to Environmental Science and ENV268 Ecology.

*Postgraduates:* Enrolment in a postgraduate science course or MA in Education for Sustainability.

*Co-requisite:* Internet access if studying externally.

### **Environmental Policy and Law (ENV228)**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

This unit is intended to introduce students to environmental policy and the role played by the legal system in environmental protection, planning and management. Students are introduced to the nature of legal systems and the consequent limitations and possibilities for the implementation of environmental policy. Emphasis is given to the Australian and particularly to the Western Australian situation. The development of written communication skills is a priority.

*Lectures:* 3 hours per week; *tutorials:* 1 hour per week for 11 weeks.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Environmental Policy and Law (ENV528; was ENV428)**

**As for ENV228 except:**

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

*Prerequisites:* Enrolment in a honours or postgraduate level course.  
*Co-requisite:* Internet access if studying externally.

### **Environmental Policy for the 21st Century (ENV316)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit explores environmental policy-making and implementation, particularly the influence of science. The focus is on developing policy relevant to the 21st century by recognising the demands and opportunities provided by this century. Environmental policy in Australia provides the core of the unit, however, attention is also given to policy-making elsewhere. Selected policy domains, such as biological diversity, will be explored in detail. This unit provides insights into policies as an integral part of solutions to environmental problems.

*Lectures:* 2 hours per week; *tutorials:* 1 hour per week.

*Prerequisites:* N228/ENV228 Environmental Policy and Law.  
*Co-requisite:* Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Environmental Policy for the 21st Century (ENV616; was ENV516)**

**As for ENV316 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Prerequisites:* Enrolment in Master of Science in Environmental Science, or other Masters level courses, Bachelor of Applied Science in Energy Studies, Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment or Postgraduate Diploma in Energy Studies.

*Co-requisite:* Internet access if studying externally.

### **Environmental Politics (POL285)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit examines the issue of the environment in Australian politics. Grounded in an introduction to green political theory, it poses questions about ecological democracy and citizenship. We consider the manner in which administrative rationality and economic rationality frame ecological priorities and policy dilemmas. Issues of federalism, the role of the law, green political parties, obligations to international protocols, and environmental issues in Asia are also included.

Up to 3 hours per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### **Environmental Politics (POL585)**

**As for POL285 except:**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.  
*Co-requisite:* Internet access if studying externally.

**Environmental Restoration (ENV324)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Focuses on the repair of damaged ecosystems and aims to provide a broad understanding of the concepts and practice of restoration ecology. Study both site-based and landscape-scale restoration, including mine site rehabilitation, plant regeneration in degraded ecosystems, revegetation, plant and animal reintroduction, and landscape design. Discuss restoration goals and techniques, the use of reference ecosystems, the concept of restoration thresholds and the design of resilient ecosystems. Also consider the broader socio-economic and decision-making contexts within which restoration activities take place.

Lectures: 2 hours per week; practical work: equivalent to 3 hours per week.

Prerequisites: ENV268 Ecology or enrolment in a postgraduate course from the School of Environmental Science.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Environmental Restoration (ENV624; was ENV524)**

As for ENV324 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

**Environmental Science Masters Project (ENV600; was ENV500)**

Credit Points: 8

Murdoch: H-internal, H-external, Y-internal, Y-external

This unit involves students in an advanced, supervised investigation of a selected environmental science area and is designed to complete the requirements for the Master of Science (Environmental Science). Projects may range from substantial reading programs to small research projects. Project topics, applied in nature, will be chosen in consultation with the Unit Coordinator and proposed supervisor. Students are encouraged to take the unit over two semesters.

Tutorials: 6 hours per semester.

Prerequisites: Enrolment in MSc (Environmental Science), or other Masters courses with permission of the MSc (Environmental Science) Academic Chair. Recommended: Completion of or concurrent enrolment in ENV523 Environmental Science Research Methods or completion of ENV423 Environmental Science Research Methods.

Co-requisite: Internet access if studying externally.

**Environmental Science Research Methods (ENV523; was ENV423)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Research in environmental science is broadly based and utilises a range of methods. Students are introduced to a spectrum of research methods used in preparing for, doing and communicating the outcomes of research. Areas covered include preparing research proposals, using the literature in devising and evaluating research, statistical analysis, library facilities and research ethics. Writing literature reviews, writing the methods chapter of a thesis and presenting research at conferences and other meetings are also covered.

Lectures/workshops: 2 hours per week for 12 weeks.

Prerequisites: Enrolment in fourth year of BEnvSc (Environmental Science) (Honours), BSc (Environmental Management) (Honours), BSc (Environmental Restoration) (Honours), BSc (Environmental Technology) (Honours), BSc (Marine Science) (Honours), BSc (Ecotourism) (Honours), MSc (Environmental Science), MPhil, PhD. This unit should be taken at the beginning of enrolment in the prerequisite majors/courses. Co-requisite: Internet access if studying externally.

**Environmental Technology for Sustainable Development (ENV210)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit aims to provide a broad overview of technology for sustainable development, and the necessary understanding for evaluating and selecting technology appropriate for specific situations. It explores the production, use and application of renewable resources, and considers technology in the area of food production, water, wastes, shelter, energy, transport and materials production. The unit covers technologies for environmentally sound development relevant to developing countries, isolated communities, and urban villages, drawing on case studies from various parts of the world.

Lectures: 2 hours per week; workshops: 2 hours per week or equivalent.

Prerequisites: ENV104 Australian Environmental Issues or ENV102 Introduction to Environmental Science.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Environmental Technology for Sustainable Development (ENV560)**

As for ENV210 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

**Environmental, Sustainability and Climate Change Law (LAW356)**

Credit Points: 4

Murdoch: AU2-internal

This unit reviews the various forms of legal control associated with environmental protection. It evaluates the comparative costs and benefits of private law and public law controls by reference not only to Australian but also to overseas models, particularly models heavily dependent on litigation.

Taught intensively over one week: refer to timetable for details.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

This unit is required for students in the BSc (Environmental Science)/Law double major and must be taken by them after the Environmental Science unit ENV228 Environmental Policy and Law. This unit may also be taken by other students who have successfully completed ENV228 Environmental Policy and Law.

**Equine Nutrition and Health (ANS362)**

Credit Points: 4

Not available 2011

This unit will be taught in modules and develops further knowledge of the theory and practice of equine health, nutrition and management. Students will also gain an understanding of pasture management. Practical exercises will introduce students to components of welfare and housing, plant toxicology, pharmacology, major diseases and nutritional management, and include field trips.

Lectures: 4 hours per week; practicals/field: 4 hours per week.

Prerequisites: ANS361 *Equine Physiology and Behaviour*.**Equine Physiology and Behaviour (ANS361)**

Credit Points: 4

Murdoch: S2-internal

This unit will be taught in modules and develops knowledge in the theory and practice of equine physiology, anatomy and behaviour. Students will also gain an understanding of the evolution of horses and human-equine interactions. Practical exercises will introduce students to components of biomechanics, exercise physiology, reproductive physiology, and examining equine behaviours and include field trips.

Lectures: 4 hours per week; practicals/field: 4 hours per week.

Prerequisites: ANS102 *Introduction the Animal Body* or BMS101 *Introduction to the Human Body*; ANS106 *Animal and Human Bioethics*.**Equine Practice (VET454)**

Credit Points: 4

Murdoch: Y-internal

The Equine Practice unit is designed to provide the veterinary student with the knowledge base required to be successful in clinical practice. This is a comprehensive course, which, while placing an emphasis on the common problems in equine practice, will also cover the interesting and not so common. The practical component will allow students to develop a basic proficiency in common diagnostic and therapeutic techniques.

Lectures: 60 hours; practicals: 24 hours.

Prerequisites: Enrolment in *Applied Veterinary Medicine*. Completion of VET459 *Surgical Secrets*, VET456 *Anaesthesia, Emergency and Critical Care*, VET462 *Veterinary Diagnostic Imaging*.**Equity and Trusts (LAW351)**

Credit Points: 4

Murdoch: S2-internal

Topics: Doctrines of equity: the law of fiduciary obligations, equitable estoppel assignments, unconscionable conduct and the protection of confidential information; Equitable remedies: specific performance, injunctions, constructive trust, declarations and equitable damages and compensation; Elements of trust law: various kinds of trust; duties, powers and rights of trustees; consequences of breach of trust.

Lectures: 4 hours per week.

Prerequisites: Enrolment in *Bachelor of Common Law* OR L120/LEG120/LAW120 *Research and Writing*, L150/LEG150/LAW150 *Australian Legal System*, L152/LAW152 *Torts*, L130/LAW130 *Criminal Law and Procedure*, and L260/LAW260 *Contract*.**Essentials of Pharmacology and Chemotherapy (BMS365)**

Credit Points: 4

Murdoch: S1-internal

Introduction to principles of pharmacology and systematic study of drugs used for common conditions. This includes the autonomic nervous system, drugs acting centrally, interacting with autacoids, renal and cardiovascular systems. Considers rational therapy, adverse effects of various compounds affecting public and environmental health, substance abuse, resistance and molecular approaches to drug discovery. Components of the unit will be presented using lectures, practicals, workshops and seminars.

Lectures: 5 hours per week; tutorials/workshops/seminars: 3 hours per week.

Prerequisites: BMS264 *Biomedical Physiology* and either BMS261 *Human and Comparative Biochemistry* or BIO270 *Biochemistry I*.Recommended Units Completed Prior to Enrolment in BMS365: BMS203 *Comparative and Human Microbiology*, BIO252 *Immunology, Vaccines and Cell Culture*.**Ethics and Jurisprudence (CHI581)**

Credit Points: 2

Murdoch: T2-internal

This unit integrates chiropractic practice with appropriate professional ethics required of primary contact health professionals. It includes ethical considerations of the rights and responsibilities of both the practitioners and the patients. Emphasis is placed on risk management, informed consent, record keeping, legal issues in health care, ethics in general and principles of medical ethics, the patient-doctor relationships, and writing a medical-legal report.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: Completion of *BSc (Chiropractic)* or permission of the Academic Chair.**Ethics and Professional Responsibility (LAW368)**

Credit Points: 4

Murdoch: S2-internal

This unit has been introduced to fulfil the admission requirements of the Legal Practice Board of Western Australia. It introduces students to the elements of ethics, ethical reasoning and practical decision-making in relation to contemporary concerns about public, professional and personal ethical responsibility in the workplace, community and global contexts. The unit also focuses on the application of legal ethics in the practice of law, and the responsibilities of lawyers in their interactions with clients and the wider community.

Lectures/tutorials: 2.5 hour per week.

Prerequisites: L120/LEG120/LAW120 *Research and Writing*; L150/LEG150/LAW150 *Australian Legal System*; L152/LAW152 *Torts*; L130/LAW130 *Criminal Law and Procedure*; L260/LAW260 *Contract*; L258/LAW258 *Australian Administrative Law*; L259/LAW259 *Constitutional Law*; L253/LAW253 *Property*; L252/LAW252 *Evidence*. Students are advised that this unit should be taken in the last year of enrolment.**Ethics in Practice (PHL272)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit introduces students to the elements of ethics, ethical reasoning and practical decision-making in relation to contemporary concerns about public, professional and personal ethical responsibility in the workplace, community and global

contexts. The unit focuses on the development of practical skills in ethical sensitivity, discrimination and judgement, in a world where ethical values are contested and changing. Topics include: truth-telling and integrity, confidentiality, conflicts of interest, racial inequality, corporate social responsibility, business ethics, cyberethics and global justice.

Lectures/tutorials: up to 2.5 hours per week.

Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.

Co-requisite: Internet access if studying externally.

### **Ethics in Practice (PHL472)**

**As for PHL272 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Ethics, Responsibility and Justice (PHL219)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Controversies about right and wrong, justice and injustice are rife in democratic societies. Enormous economic and social change, exponential advancement in technology, unprecedented freedom of choice amid increasing inequalities create pressing concerns about how to make the most of our own lives and how we can best live together with other people, locally and globally. This unit explores philosophical responses to these issues in light of different understandings of ethical and political values, the good life, justice and virtue.

Lectures/tutorials: up to 2.5 hours per week.

Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.

Co-requisite: Internet access if studying externally.

### **Ethics, Responsibility and Justice (PHL419)**

**As for PHL219 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Ethnic Diversity and Ethnic Conflict (SSH229; was POL229)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines key social and political issues arising from ethnic diversity. This involves the discussion of both how multicultural democracies function, and also why ethnic conflicts and ethnic violence occur. These issues are discussed both in an Australian and a global context, and the unit seeks to elucidate both the key concepts relating to ethnic diversity, and also the key issues of policy and practice.

Lectures: 1.5 hours; tutorials: 1.5 hours.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Ethnic Diversity and Ethnic Conflict (SSH629; was POL529/POL629)**

**As for SSH229 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Europe Under the Dictators (HIS293)**

Credit Points: 4

Not available 2011

Explores European history from the Russian Revolution to the Second World War by focusing on the brutal dictatorships that emerged in Bolshevik Russia, the Stalinist Soviet Union, Fascist Italy and Nazi Germany. Key themes include: communist and fascist ideology; personalities of the dictators (Lenin, Stalin, Mussolini and Hitler); the role of terror, state violence and resistance in everyday life; the responses of women and minorities; the Eastern Front during the Second World War; and the Holocaust.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **European Union (HIS225)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Explores the origins and evolution of the European Union (EU); how the EU functions and the effectiveness of its institutions; the key issues affecting its member states (including identity, citizenship, integration, diversity, foreign policy and enlargement); and the EU's future in the 21st century. Note: this unit is run in conjunction with the six other members of the Innovative Universities European Union Centre and includes sizeable online and independent learning components.

Lectures: 2 hours per week; tutorials 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **European Union (HIS625)**

**As for HIS225 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### **European Union Law (LAW342)**

Credit Points: 4

Murdoch: W1-internal

IMACERATA: S2G-internal

Introduces students to the legal system of the European Union (EU) with emphasis on the constitutional, administrative and commercial aspects. The political and economic origins of the EU will also be discussed, along with the relationship between Community Law and the laws of the member States, and the free movement of goods, workers, capital and services. The unit will concentrate on the transnational protection of economic and social rights and the jurisprudence of the European Court of Justice.

Taught intensively over one week: refer to the teaching timetable for details.

Prerequisites: LAW259 Constitutional Law; LAW258 Australian



Administrative Law; LAW252 Evidence; LAW260 Contract.

The SP8 enrolment option for this unit is offered as part of the European Summer Program in Law, hosted at the University of Macerata, Italy. Enrolment in this program is by application to the program Director, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

### Evidence (LAW252)

Credit Points: 4

Murdoch: S2-internal

This unit deals with the plethora of rules affecting the admissibility or exclusion of evidence and the examination of witnesses. These rules will be discussed within the framework of the trial process. The unit will explore both the law of evidence in Western Australia and the Commonwealth Evidence Act. The unit will also introduce students to the Professional Conduct Rules and the basics of the ethical obligations governing practitioners.

Lectures: 4 hours per week. Five non-assessable tutorials are offered as a component of this unit.

Prerequisites: L150/LEG150/LAW150 Australian Legal System. In addition students must have passed L120/LEG120/LAW120 Research and Writing, or be concurrently enrolled in LAW120 Research and Writing.

### Evidence Based Enquiry, Law and Ethics (NUR229)

Credit Points: 4

Peel: S1-internal

Part of the BNurs(Conv), students will explore the efficacy of evidence based enquiry for nursing and healthcare including strategies and implementation of research findings in contemporary practice. Students will examine the importance of health law and the nurses' roles and responsibilities arising from relevant legislation, professional standards, guidelines and policies and discuss the application of ethics in everyday practice.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Nursing Conversion.

### Evidence-based Practice (CHI385)

Credit Points: 2

Murdoch: S2-internal

Evidence-based practice (EBP) combines best scientific evidence, clinical experience and patient values. This unit provides an opportunity to refine the student's ability to perform literature searches, critically review the literature and apply the evidence derived to relevant clinical scenarios. The unit recognises that health care is individualised and ever changing and involves uncertainties and probabilities. Students learn that EBP involves complex and conscientious decision making. This unit uses the Internet heavily to source information partly in dedicated computer laboratories.

Lectures: 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2 OR enrolment in the Bachelor of Sports Science and successful completion of Part I and CHI209 Clinical Biomechanics OR by special application to the Unit Coordinator.

Exclusions: Students who have successfully completed CHI585 Evidence-Based Practice cannot enrol in this unit for credit.

### Evidence-Based Practice (PHA261)

Credit Points: 2

Not available 2011

Evidence-based practice (EBP) combines best scientific evidence, clinical experience and patient/client values. This unit provides an opportunity to refine the student's ability to perform literature searches, critically review the literature and apply the evidence derived to relevant clinical/encounter scenarios. It recognises that health care is individualised, ever changing and involves uncertainties and probabilities. Students learn that EBP involves complex and conscientious decision making. This unit uses the Internet heavily to source information partly in dedicated computer laboratories.

Lectures/tutorials: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Corequisite: PHA241 Pharmacy Practice I; enrolment in the Bachelor of Pharmacy.

### Evidence-Based Practice (PHA761; was PHA661)

As for PHA261 except:

Credit Points: 2

Murdoch: T2-internal

Prerequisites: PHA541 Pharmacy Practice I; enrolment in Master of Pharmacy.

### Exercise Physiology I (CHI226)

Credit Points: 4

Murdoch: S1-internal

This unit focuses on five basic fundamentals of exercise physiology. Course material will be presented in both a lecture and laboratory series focusing on: 1) metabolism and exercise, 2) cardiovascular response to exercise, 3) pulmonary response to exercise, 4) the muscular system and movement, 5) hydration and thermoregulations, 6) VO<sub>2</sub>max and fitness, and 7) enhancing fitness and health through physical activity.

Lectures: 4 hours; laboratories/workshops: 2 hours.

Prerequisites: CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy) AND CHI124 Principles of Sports Science (or CHI109 Chiropractic Skills and Principles I).

### Exercise Physiology II (CHI227)

Credit Points: 4

Murdoch: S2-internal

This unit will discuss physiological responses to exercise and exercise training and detraining. This unit will incorporate physiological responses to exercise in special populations, special environments and in response to dietary supplements and changes in diet. The students' outcomes will address these responses from a molecular, cellular, tissue, organ and systems perspective, and will then integrate each of these levels to describe the overall changes occurring within the body. This unit will involve theory based presentations and practical lab demonstrations.

Lectures: 3 hours; laboratories/workshops: 2 hours

Prerequisites: CHI226 Exercise Physiology I.

### Exercise Physiology Practicum (CHI470)

Credit Points: 12

Murdoch: Y-internal

The student will develop their 'hands on' training within this unit. This unit will enable students' to work alongside other health professionals, and in particular, accredited Exercise Physiologists. This unit will enable the student to see the transfer of knowledge

from the classroom into the workplace, with the specific emphasis being on Exercise Physiology. This unit is a year-long practicum unit.

*Students must complete a minimum of 360 hours in a clinical setting in accordance with the Exercise and Sports Science Australia (ESSA) requirements. This will be arranged in consultation with the Unit Coordinator.*

*Prerequisites: CHI208 Health, Fitness and Performance Assessment, CHI318 Exercise Programming and Prescription, CHI227 Exercise Physiology, CHI390 Exercise Science Practicum.*

### **Exercise Science Practicum (CHI390)**

*Credit Points: 8*

*Murdoch: H-internal, Y-internal*

Students will be able to experience the requirements of employment in an exercise physiology related workplace during practicum placements. Students will utilise knowledge and skills gained in previous years during supervised practicum in the area of exercise delivery for apparently healthy clients. Communication and professionalism skills will also be developed in this unit.

*Seminar/workshop: 4 hours per week in Weeks 1 and 2 of Semester 1; 4 hours per week in Weeks 1 and 2 of Semester 2.*

*Practicum: A minimum of 140 hours to be completed over the duration of this unit.*

*Prerequisites: CHI208 Sports and Health Assessment and CHI225 Principles of Strength and Conditioning.*

### **Exercise, Programming and Prescription (CHI318)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit will build on previous study focused on client and patient assessment. Students will learn how to develop exercise programs and prescriptions for health-related benefits in apparently healthy and low-risk individuals as well as individuals with various health conditions. Student will utilise knowledge and skills gained in previous years to design and implement individualised exercise and lifestyle programs.

*Lectures: 2 hours; laboratories/workshops: 4 hours.*

*Prerequisites: CHI208 Health, Fitness and Performance Assessment; CHI225 Principles of Strength and Conditioning.*

### **Existence and Freedom (PHL201)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

If you had to live one day over and over forever, what would you do? Satisfying answers contend with issues that trouble everyone's life: as sense of home in a rootless world, anxiety against uncertainty, alienation in a crowded society, giving your own life meaning, freedom to break with your own past, and being in good faith with your own future. Our reading will take in 19th and 20th Century Existentialists, such as Dostoevsky, Nietzsche, Heidegger, Kafka, Camus, and Sartre.

*Lectures/tutorials: 2.5 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Existence and Freedom (PHL401)**

**As for PHL201 except:**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*Prerequisites: Enrolment in an Honours or Postgraduate-level course.*

*Co-requisite: Internet access if studying externally.*

### **Experimental Physics and Nanotechnology (PEC363)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit will provide students with an excellent opportunity to gain hands on experience with advanced instrumentation used in Physics and Nanoscience/Nanotechnology. This includes experience in using a variety of surface science equipment, electron microscopes and scanning, tunnelling microscopy and atomic force microscopy. Students will also be taught various advanced technology used in the manufacture and purification of nanostructured materials.

*Lectures: 1 hour per week; tutorials: 1 hour per week; laboratories: 4 hours per week for 10 weeks.*

*Prerequisites: PEC261 Applications of Nanotechnology.*

*Co-requisite: Internet access if studying externally.*

### **Extension to Veterinary Biology 1 (EQU031)**

*Murdoch: S1-internal*

This unit extends and consolidates the students' discipline specific study skills and understanding of VET240 Veterinary Anatomy, VET241 Veterinary Biochemistry and VET244 Veterinary Physiology.

*Tutorials: 8 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.*

### **Extension to Veterinary Biology 2 (EQU032)**

*Murdoch: S2-internal*

This unit extends and consolidates the student's discipline specific study skills and understanding of VET212 Veterinary Anatomy II, VET243 Veterinary Physiology II, and VET242 Animal Systems.

*Tutorials: 8 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.*

### **Extension to Veterinary Biology 3 (EQU033)**

*Murdoch: S1-internal*

This unit extends and consolidates students' discipline specific skills and understanding of VET340 Processes in Animal Disease, VET345 Veterinary Pharmacology and Chemotherapy and VET346 Nutritional Biochemistry and Animal Toxicology.

*Tutorials: 8 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.*

### **Extension to Veterinary Biology 4 (EQU034)**

*Murdoch: S2-internal*

This unit extends and consolidates students' discipline specific skills and understanding of VET344 Veterinary Parasitology, VET347 Veterinary Immunology and Molecular Genetics and VET341 Veterinary Microbiology.

*Tutorials: 8 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.*



**Extension to Veterinary Biology 5 (EQU035)**

Murdoch: S1-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET343 Veterinary Applied Pathology, VET345 Veterinary Pharmacology and Chemotherapy and VET442 Animal Systems III.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, and are in the third year of the veterinary course.

**Extractive Metallurgy (EXM357)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit considers the principles and applications of hydrometallurgical and pyrometallurgical processing. The application of leaching, solution purification and metal recovery to the hydrometallurgical processing of metals, ores, and concentrates is covered. Pyrometallurgical processes such as roasting, smelting and refining are also examined. Application of thermodynamic and kinetic concepts, fluid dynamics and heat- and mass-transfer principles to extractive metallurgy are considered.

Lectures: 3 hours per week; laboratories/workshops: up to 4 hours per week.

External: Unit Study Guide provided. Internet access and compulsory 3-day on-campus laboratory session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of each teaching period.

Prerequisites: M201/PEC201 Thermodynamics and EXM224 Principles of Unit Operations, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

**Extractive Metallurgy (EXM557)**

As for EXM357 except:

Credit Points: 3

Murdoch: S2-internal, S2-external

Lectures: 3 hours per week.

Prerequisites: Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

Exclusions: EXM357 Extractive Metallurgy

**Extractive Metallurgy Practicum (EXM506)**

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit combines hydrometallurgical and pyrometallurgical theory with practice. Leaching, solvent extraction, electrowinning, ion exchange, carbon-in-pulp gold processing, roasting, fire assay and mineralogical exercises will be completed. Students will experience working with pyrometallurgical and hydrometallurgical equipment. The application of thermodynamic and kinetic principles to extractive metallurgy will be emphasised, and students will learn how to use thermodynamic modelling software and interpret modelling outputs.

Students will be expected to spend significant time outside of timetabled sessions preparing for and reporting on timetabled sessions.

Laboratories: 6 hours per week.

External: Internet access required and compulsory 10-day on-campus laboratory and workshop session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance

dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in Graduate Diploma Extractive Metallurgy.  
Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed both EXM357 Extractive Metallurgy AND EXM358 Pyrometallurgy are excluded from the unit.

**Facilitating Lifelong Learning (EDU240)**

Credit Points: 6

Murdoch: S1-internal, S1-external, S2-external

Promotes an understanding of what facilitates adult and lifelong learning in education and work. Students develop knowledge and skills for reflective professional practice and action research. Cognitive and sociocultural approaches to understanding learning and motivation are introduced as the conceptual basis for designing effective instruction, mentoring, team work, course evaluation and assessment of learning. Case studies of innovative teaching/learning or assessment practices are examined. In the 6-point version, students also focus on their professional development as adult educators.

Internal: Lectures/seminars: 3 hours per week for 12 weeks.

External: No attendance required. Some on-campus meetings will usually be available.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed E246/E2461 Facilitating Lifelong Learning may not enrol in this unit for credit.

Students enrolled in the Graduate Certificate in Tertiary and Adult Education or the Graduate Diploma in Education (Tertiary and Adult) must enrol in the 6-point version of this unit.

**Facilitating Lifelong Learning (EDU2401)**

As for EDU240 except:

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Facilitating Lifelong Learning (EDU440)**

As for EDU240 except:

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Family and Community Health (NUR301)**

Credit Points: 4

Peel: S1-internal

This unit explores the history and current context of community nursing. It examines social, environmental, economic and political influences on contemporary community nursing practice within a primary health care framework, and investigates the unique contextual challenges of diverse community settings and specific client groups across the life span. Examination of the scope of practice and varied roles of the community nurse will prepare students for placements in community nursing settings.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: NUR201 Fundamentals of Pathophysiology and Pharmacology 1 and NUR203 Medical and Surgical Nursing 1. Students should note that NUR201 and NUR203 both have a prerequisite of completion of Part I Nursing units.



### Family and Community Health - Clinical Placement (NUR331)

Credit Points: 1

Peel: W-external

This unit will provide clinical experience in the community setting. It will provide students with an opportunity to examine the social, environmental, economic and political influences on contemporary community nursing within a primary health care framework, and investigate the unique contextual challenges of diverse community settings and specific client groups across the life span.

Clinical practice 8 hours per day x 10 days (80 hours).

Prerequisites: Co-requisite: NUR301 Family and Community Health. Students should note that NUR301 has a prerequisite of NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR203 Medical and Surgical Nursing 1 and completion of Part I Nursing units.

Co-requisite: Internet access if studying externally.

A result of Ungraded Pass or Fail is awarded for this unit.

### Family Law (LAW370)

Credit Points: 4

Murdoch: S2-internal

This unit introduces students to the state and federal laws that regulate the formation and dissolution of legal and de facto marriages and which assist in resolving ancillary disputes. Topics covered include: marriage, divorce, parentage, parenting disputes, property settlement, child support, spousal maintenance and the role of primary dispute resolution in family law.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, L259/LAW259 Constitutional Law and L253/LAW253 Property.

### Festivals and Events (TOU212)

Credit Points: 4

Murdoch: S1-internal, S1-external

Rockingham: S1-internal, S1-external

Festivals and events have a particular 'place' in the life of the community, state or country. They serve diverse purposes from community development, religious and leisure activities through to economic development and tourism marketing. From a local street fair to the Olympics, festivals and events all mean something to people, they are part of the arts and culture. This unit will explore the 'place' of festivals and events historically and how they are used in contemporary societies.

Lectures/tutorials: 3 hours. Note: lectures may be streamed using Lectopia.

Prerequisites: TOU101 Introduction to Tourism Systems and TOU102 Introduction to Travel and Tourism.

Co-requisite: Internet access if studying externally.

### Film and Philosophy (PHL214)

Credit Points: 4

Murdoch: S1-internal, S1-external

Philosophy teaches the critical and analytical skills that are important in the study of media, and so adds to our practical understanding of the frameworks that shape our societies. Filmmakers, like philosophers, play a vital role in the way that contemporary culture and society develop and change. Both cinema and philosophy raise questions about the representation of the human condition. Through critical analysis of filmic texts,

students will learn to question concepts and develop ways of understanding culture and society.

Lectures/tutorials: up to 3 hours per week; film screening: 2 hours per week.

Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.

Co-requisite: Internet access if studying externally.

Exclusions: HZ831 Special Topics in Philosophy; Film and Philosophy.

This unit will be rotated in alternate years with PHL277 Life, Death and Meaning.

### Film and Philosophy (PHL414)

As for PHL214 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Finance Law (BUS206)

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

SGP1: T1B-internal, T3B-internal

This unit will examine a number of areas of particular relevance to finance and banking students. Lectures will be drawn from a selection of the following topics: key Australian financial system regulators; fundraising by issue and sale of securities; managed investment schemes; loan finance; debenture and note finance; takeovers; regulation of financial services and markets; the financial services licensee/client relationship.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law.

Exclusions: Students who have previously completed C210 Banking Law may not enrol in this unit for credit.

### Financial Management in Health Care (NUR639)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit will provide students with an introduction to financial management in health and aged care; to understand the principles of budgeting, to understand financial reports and cost benefit analysis, long term quality of life cost analysis and the impacts of poor quality on the health budget.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### Financial Management, Mineral Resources and Environment (EXM459)

Credit Points: 6

Murdoch: S1-internal

The unit will cover origin and mineralogical characteristics of ore types; techniques of mining, resource and reserve estimation, feasibility studies; review the minerals industry and metal markets; environmental management; heritage studies; and provide opportunities for developing communication, information access and teamwork skills. This unit will provide elementary understanding of financial management, interpretation of financial statements, estimation of income, capital and operating costs, estimation of real after-tax cash flows, ranking of alternative

investment proposals utilising DCF techniques and sensitivity analyses.

Lectures: 3 hours per week; workshop/laboratories: 4 hours per week. Internet access required.

Prerequisites: EXM130 Introduction to Earth Sciences or permission of the Unit Coordinator.

Exclusions: Students who have successfully completed M254 Mineral and Energy Resources may not enrol in this unit for credit. Students who have successfully completed both EXM225 Financial Management and Process Economics and EXM355 Mineral Resources and Environment may not enrol in this unit for credit. Students who have completed one of EXM225 Financial Management and Process Economics and EXM355 Mineral Resources and Environment should contact the Academic Chair.

### Food for Thought (FDN102)

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

Food is at the centre of all human activity -- the need to eat determines where, how and why we live. This unit adopts an interdisciplinary approach including historical, global, commerce, technological, cultural, science and media perspectives to enable you to understand what determines food 'choice'. Why in the twenty-first century are people dying from both hunger and overeating? Hear stories of fast foods, slow foods and traditional foods and be invited to relate them to your own experience.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Forensic Anatomy and Anthropology (BMS202)

Credit Points: 4

Murdoch: S1-internal

This unit focuses on aspects of skeletal and regional anatomy of the human body that are central to forensic science. Topics include human evolution, human anatomy, and the changes associated with death and decomposition. Practical applications include the determination of age, sex, ancestry, pathology and trauma. Practical classes include a mammalian musculoskeletal and regional dissection as well as hands-on experience with the measurement and analysis of human skeletal and soft tissue components.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: BMS101 Introduction to the Human Body or ANS102 Introduction to the Animal Body

### Forensic Data Analysis (ICT349)

Credit Points: 4

Murdoch: S1-internal, S1-external

The increase in cyber crime requires IT security professionals to have a deeper understanding of the complex technical features of a cyber forensic investigation and database security. Topics include: file analysis, operating system security, database security and auditing, and investigation and analysis of digital evidence found in larger datasets. Apply the theory gained to a hypothetical cyber crime scenario during the workshop investigation project. Participate in a mock legal hearing where digital evidence is presented and challenged.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: ICT218 Databases or ICT248 Cyber Forensics.

Co-requisite: Internet access if studying externally.

Students who have successfully completed ICT228 Special Topics in

Information Technology: Cyber-Forensics have satisfied this prerequisite.

### Forensic DNA Analysis (BIO313)

Credit Points: 4

Murdoch: S1-internal

Provides advanced theoretical and practical training in DNA-profiling techniques relevant to forensic science. Includes mitochondrial DNA analysis and its applicability to identifying disaster victims, and the application of DNA-marker technologies to wildlife forensics and ancient DNA analysis. The use of short tandem repeats (STR; DNA-profiling), quantitative PCR and mitochondrial DNA sequencing as well as single nucleotide polymorphisms (SNP) and Y-chromosome analysis in identifying perpetrators of crime will be explored in the content of actual forensic cases.

Lectures/workshops: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: BIO202 Molecular Biology I or BIO212 Genetic Engineering.

Exclusions: Students who have successfully completed BIO373 Forensic Investigation may not enrol in this unit for credit.

### Forensic Toxicology (BIO314)

Credit Points: 4

Murdoch: S2-internal

This unit integrates the history of forensic toxicology with the biochemistry, chemistry and pharmacology of the area and illustrates it with case histories centred on victims, villains and scientists. Training is provided in the practical application of analytical chemistry techniques to the determination of drugs, alcohol and other organic/inorganic toxins in body fluids and contaminated products within a forensic framework. Techniques studied include: high performance liquid chromatography, gas chromatography, nuclear magnetic resonance, anodic stripping voltammetry and mass spectrometry.

Lectures/workshops: 3 hours per week; laboratories: 4 hours per week for 4 weeks.

Prerequisites: M240/PEC240 Analytical Chemistry; N270/BIO270 Biochemistry 1 or V261/BMS261 Human and Comparative Biochemistry; successful completion of, or concurrent enrolment in, M340/PEC340 Instrumental Analysis.

Exclusions: Students who have successfully completed BIO373 Forensic Investigation may not enrol in this unit for credit.

### Foundations of Aboriginal Cultures (KAC067)

Credit Points: 3

Murdoch: S2-internal

This unit provides an overview of Aboriginal cultures and life in an Australian context. Further this unit examines place and family with an emphasis on heritage, learning methods and the importance of cultural identity.

3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbardi Aboriginal Tertiary Entrance Course (KATEC).

Non-KATEC students need to enrol in AIS177 Introduction to Nyungar Culture.

A result of Ungraded Pass or Fail is awarded for this unit.

**Foundations of Academic Writing (KACo75)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This unit is designed to equip students with the necessary writing skills to enable them to navigate university demands of essays, papers, reports and related forms.

Workshops: 3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**Foundations of Formal Writing (KACo61)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This unit introduces students to the foundations of formal writing in preparation for academic studies. Students will be provided with the opportunity to develop basic writing, revision and editing skills. Students will be encouraged to keep up to date with current events by reading widely, developing reading skills in conjunction with writing practice. Through a process which focuses on developing formal essay writing skills, students will produce an essay based on research in preparation for academic writing.

Lectures/tutorials: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**Foundations of Information Technology (KACo62)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This unit introduces students to the use of a word processing software package on a personal computer. Students are also introduced to the Internet as a study and research tool. At the completion of this unit students will be able to use various components of a personal computer system, use the word processor in various stages of writing and retrieve information over the Internet.

3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**Foundations of the Media (KACo64)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This unit will introduce students to the three facets of Media: Multimedia, Film and Radio. The Multimedia component introduces multimedia as a combination of text, graphics and the Internet and World Wide Web. The Film component will involve the theories of film production and camera operation. The Radio component will demonstrate basic radio desk principles and interview techniques utilising portable equipment.

3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**From Clinician to Manager (NUR644)**

Credit Points: 4

Murdoch: S1-internal, S1-external

There is increasing literature both from the UK and Australia which focuses on evidence that the involvement of clinicians in health care management provides improved health care outcomes for patients. This includes competencies for clinicians in communicating effectively with patients. Students will be offered tools and techniques to successfully manage the transition from clinician to manager.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

**From University to Workplace (TLC277)**

Credit Points: 4

Murdoch: S2-internal

Provides theoretical and practical knowledge to enhance students' career development and their transition to the culture of the workplace. As members of the local and global community, students are introduced to how large and small organisations recruit, select and retain personnel. Examine relevant concepts and workplace policies and practices, including significant industry input. The practical component complements the theoretical, develops skills and confidence to enhance employment prospects, and provides strategies for utilising the knowledge and skills gained at university.

Lectures: 1 hour per week; workshops/tutorials: 2 hours per week.

Workshops and projects will be discipline-oriented.

Prerequisites: Nil. Preference for enrolment will be given to undergraduate students who have indicated their intention to graduate in the current year.

**Functional Human Anatomy (CHI108)**

Credit Points: 3

Murdoch: S2-internal

This unit is designed to build on the foundation of human anatomy which was introduced in BMS101 and will utilise the terminology set out in CHI108. The content of this unit will provide a deeper understanding of anatomical structures and their function. The students will utilise lectures, assignments and practicals to gain an understanding of all 11 body systems. Practicals consist of surface anatomy classes and prosection laboratory, which will expose students to models and the viewing of human cadavers.

Lectures: 3 hours; laboratories: 3 hours.

Prerequisites: BMS101 Introduction to the Human Body.

Exclusions: BMS108 Comparative Musculoskeletal Anatomy.

**Fundamentals of Cell Function (NUR101)**

Credit Points: 3

Peel: S1-internal

This unit will introduce the student to the fundamentals of cellular biology related to cell structure and function. The objective of this unit is to provide foundational knowledge in physics, basic chemistry, biochemistry, microbiology and cell growth and reproduction.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Nursing.

**Fundamentals of Cell Function I (PHA101)**

Credit Points: 3

Not available 2011

This unit will introduce the student to the fundamentals of cellular biology related to cell structure and function. The objective of this unit is to provide foundational knowledge in physics, basic chemistry, biochemistry, microbiology and cell growth and reproduction.

Lectures: 2 hours per week; laboratories/practicals: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Pharmacy or Postgraduate Certificate in Pharmacy Entry.

**Fundamentals of Cell Function II (PHA102)**

Credit Points: 3

Not available 2011

This unit extends the student's knowledge of cell function by examining in greater detail the processes involved in cellular metabolism, energy generation and biomolecule synthesis. Concepts in molecular biology are also introduced and studied within the context of cell function. The student's knowledge of microbiology is extended through further study of microbes and their interactions with humans. The unit also introduces antibiotics and the basic concepts in immunology.

Lectures: 3 hours per week; laboratories/practicals: 2 hours per week.

Prerequisites: PHA101 Fundamentals of Cell Function; enrolment in Bachelor of Pharmacy or Postgraduate Certificate in Pharmacy Entry.

**Fundamentals of Computer Systems (ICT106)**

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit provides an overview of the hardware and software of computer systems and introduces a number of important topics in computer science: overview of computer system architecture; computer memory, information representation and storage; execution of instructions including ALU, registers, instruction sets, fetch/execution cycle, addressing modes; concepts of software and hardware interrupts, introduction to operating system principles -- process management, memory management and file management; assembly language and C language programming.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: B102/ICT102 Introduction to Computer Science.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed M216/B216 Computer Systems may not enrol in this unit for credit.

**Fundamentals of Mathematics (MAS164)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal

Preparatory mathematics unit intended for students who have insufficient background for other units, in particular MAS167 Computational Mathematics, MAS182 Applied Mathematics and BUS208 Quantitative Methods for Business and Economics. Topics: algebra; polynomials, exponential and logarithmic functions and their graphs; matrices; basic concepts of differential and integral calculus and applications.

Lectures/tutorials/workshops: 5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed a mathematics unit of the standard of TEE Calculus or higher may not enrol in this unit. Students may not enrol in this unit and either MAS161 Calculus and

Matrix Algebra or MAS182 Applied Mathematics concurrently.

**Fundamentals of Pathophysiology and Pharmacology I (NUR201)**

Credit Points: 4

Peel: S1-internal

This unit will build the students' knowledge base in the principles of pharmacology and pathophysiological mechanisms and processes of disease, including inflammation, infection, trauma, healing, ageing and degeneration, acquired and congenital dysfunction with particular reference to the integumentary, immunological, neurological, musculoskeletal and digestive systems. The integrated approach will assist in providing the link between the comprehensive theoretical knowledge base and practical approaches and applications to these topics.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Completion of Part I of the Bachelor of Nursing OR Enrolment in Bachelor of Nursing Conversion.

**Fundamentals of Pathophysiology and Pharmacology II (NUR202)**

Credit Points: 4

Peel: S2-internal

This unit will develop the students' knowledge base in the principles of pharmacology and pathophysiological mechanisms and processes of disease with particular reference to the cardiovascular, haematological, respiratory, renal and metabolic systems. This integrated approach will continue to assist the student in identifying the link between theory to practice and relevant applications within the context of both topics.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Completion of Part I of the Bachelor of Nursing OR Enrolment in Bachelor of Nursing Conversion.

**Games Art (MCC261)**

Credit Points: 4

Murdoch: S1-internal

This unit extends students knowledge in art and design theory and production in relation to games art. The unit will focus on putting theory into practice, requiring students to explore and visualise concepts and then generate sophisticated game-ready assets.

Lectures: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: MCC154 Introduction to Games Art and Design; MCC118 Visual Communication; ICT101 Introduction to 3D Graphics and Animation or MCC164 3D Modelling.

**Games Design and Programming (ICT207)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit covers introductory games design and programming from a theoretical and practical point of view. It includes theory, data structures, and testing, as well as elementary physics for games. Further work covers non-linearity, gameplay, gamebalance, game documentation, code management and intelligent agents. Practical rules for writing games programs are developed and applied.

Lectures and tutorials: up to 5 hours per week.

Prerequisites: B209/ICT209 Data Structures and Abstractions. Students are encouraged to complete ICT215 Computer Graphics Principles and Programming prior to taking this unit.

Co-requisite: Internet access if studying externally.

Students intending to enrol in external mode should consult the Unit

Coordinator. Major assignments are group work-based.

### Games Design Studio (MCC375)

Credit Points: 4

Not available 2011

Students combine their prototyping skills and game design knowledge to develop and test original games for a wide variety of real-world settings targeting several different platforms. The prototypes developed could engage several genres, from serious and educational to casual and hardcore games.

Lectures: 1 hour; laboratories: 3 hours per week.

Prerequisites: MCC154 Introduction to Games Art and Design; ICT102 Introduction to Computer Science; MCC232 Video Game Studies; ICT241 Games Software Design; MCC218 Web Games Design and Production.

### Games Development (ICT309)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit focuses on game development using advanced game development tools and environments. Topics covered include storytelling in games, character design and level design; design patterns and framework for games; game architectures; overview of programming framework for console game development; elements of serious games.

Further topics may include overview of mobile game development and networked game development.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT207 Games Design and Programming.  
Co-requisite: Internet access if studying externally.

### Games Project (MCC362)

Credit Points: 4

Murdoch: S2-internal

This final Games Art and Design unit provides an opportunity for students to engage in sustained creative project work. The unit will enable students to acquire practical experience in the development of a final games project from concept to production in a team environment.

Lectures: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: MCC232 Video Games Studies; and either MCC214 Sound or MCC218 Web Games and Design; and either MCC261 Games Art or MCC375 Games Design Studio.

### Games Software Design (ICT241)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit addresses issues in the design of electronic games software including elements of games creation, gameplay and game concepts. The foundation material is complemented by exposure to issues associated with the creation of interactive media. Topics include design process, creative play, player motivation, environment and interface design, game-balancing, character design and design documentation.

Lectures: 3 hours per week; tutorials: 2 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Games Software Production (ICT245)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit addresses the issues associated with the highly complex task of creating and publishing electronic games. Topics include budgeting, team roles and responsibilities, group dynamics, design documentation and project management and evaluation. Students will apply the theoretical aspects of the unit using various scripting environments to create games in a team environment.

Lectures: 3 hours per week; tutorials: 2 hour per week.

Prerequisites: ICT101 Introduction to 3-D Graphics and Animation AND ICT104 Principles of Computer Science.

Co-requisite: Internet access if studying externally.

### Games Technology Project (ICT313)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit gives students a 'real-world' experience of games development by applying project management principles together with the skills developed during their degree. Teams manage their project through all stages of project development, culminating with a presentation of the project. Students gain practical experience in system planning, design and development, project coordination and team management, and communication with project clients and users. Students are expected to enrol in this unit in their final semester.

Lectures/seminars: 3 hours per week; supervised group meetings: 1 hour per week; client and team meetings: as required.

Prerequisites: (ICT309 Software for Games Development, ICT311 Advanced Games Design and Programming, ICT219 Intelligent Systems), OR (ICT241 Games Software Design and ICT245 Games Software Production).

Co-requisite: Internet access if studying externally.

### Gender and Development (POL313)

Credit Points: 4

Not available 2011

This unit examines theories and debates that frame research, policy and practice in relation to gender and development. Issues covered include: sex, gender and the status of women; gender divisions of labour and identity; 'First' and 'Third World' feminisms; men and masculinities; families and households; health and HIV/AIDS, violence; gender mainstreaming and gender justice.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed STP313/STP613 Women and Development may not enrol in this unit for credit.

Undergraduate students should enrol in the lower-level unit.

### Gender and Development (POL613)

As for POL313 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in a postgraduate course.

### Gender, Globalisation and Cultural Politics (MCC211)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores the impacts of globalisation practices on cultural



and gender politics around the world. It addresses issues of cultural difference and culture clash, of cultural specificity, cultural resistance and cultural transformation in response to globalisation. These issues will be explored through a series of topical and contentious examples which foreground the connections between gendered impacts and cultural politics.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed WOM270 Gender and Globalisation may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Gender, Globalisation and Cultural Politics (MCC511; was MCC411)**

**As for MCC211 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC411 Gender, Globalisation and Cultural Politics may not enrol in this unit for credit.

### **General Physics (PEC120)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This is an introductory physics unit, designed to provide a basis for further studies in the physical sciences. It covers a range of topics including measurement, motion, waves, light, energy and electric fields. This unit does not require knowledge of calculus. Applications and examples are drawn from the biological, environmental, medical and physical sciences.

Lectures: 2 hours per week; tutorials/laboratories: 2 hours per week.

Prerequisites: Nil. Mathematics 3C/3D or MAS164 Fundamentals of Mathematics are strongly recommended. MAS164 Fundamentals of Mathematics may be taken concurrently.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed M152/PEC152 Principles of Physics or M150 Physics 1A and M151 Physics 1B may not enrol in this unit for credit.

Students without Year 10 Science should consider completing PEC100 Preparatory Science prior to PEC120.

### **General Small Animal Practice (VET461)**

Credit Points: 3

Murdoch: S2-internal

This unit comprises lectures and practical classes covering the common aspects of small animal practice, including consulting skills. Topics covered will include behaviour, dentistry, basic nutrition, vaccination and disease prevention, dermatology and ophthalmology, and the diseases of pocket pets.

Lectures: 48 hours; laboratories: 9 hours per student.

Prerequisites: Enrolment in Applied Veterinary Medicine.

### **Genetic Engineering (BIO212)**

Credit Points: 4

Murdoch: S1-internal

Covers the technology used to genetically engineer plants, animals

and micro-organisms. Comprises the basics of genomes and techniques used for the introduction of genes into micro-organisms, plants and animals. Topics include: genome organisation and replication; gene expression; genomics and techniques used for isolating genes; analysis of gene expression; applicability of genetic engineering to protein production; engineered animals as models for understanding disease; creation of plants with improved nutritional qualities and disease resistance; regulation of genetic engineering.

Lectures: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: N152/BIO152 Cell Biology.

Exclusions: Students who have successfully completed BIO302 Molecular Biology II or ANS252 Animal Molecular Biology may not enrol in this unit for credit.

### **Genetics and Evolution (BIO372)**

Credit Points: 4

Murdoch: S2-internal

This unit introduces the disciplines of genetics and evolutionary biology, focusing on eukaryotic organisms. The main aim is to promote an understanding of fundamental genetic concepts and evolutionary processes and their implications for those studying the biological sciences. Activities will develop analytical and problem-solving skills. Topics include: genome structure and function, cytogenetics, inheritance, population genetics, quantitative genetics, microevolution, speciation, and macroevolution. The unit will also examine some of the practical applications of genetic and evolutionary data.

Lectures: 3 hours per week; practicals/workshop: 4 hours per week.

Prerequisites: N152/BIO152 Cell Biology and either M183/MAS183 Statistical Data Analysis and Databases or M182/MAS182 Applied Mathematics or M184/MAS184 Biostatistics and Information Retrieval.

Exclusions: Students who have successfully completed N367 Genes and Organisms or N369/BIO369 Evolution and Conservation/Evolutionary Biology may not enrol in this unit for credit.

### **GIS for Environmental Management and Planning (ENV203)**

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T3B-internal

A hands-on introduction to geographical information systems (GIS) and remote sensing as used in environmental management and planning generally. Topics: spatial data analysis, map construction, classification, change detection, cartographic modelling and demographic change. Practical work includes exercises and a minor team-based or individual research project.

Lectures: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: Completion of 24 points at Part I.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate Honours students and Undergraduate students intending to enrol in the four year Bachelor of Environmental Science should enrol in the higher-level code for this unit except where the course structure states otherwise.

Off-campus students must have access to suitable computing facilities.

### **GIS for Environmental Management and Planning (ENV503; was ENV403)**

**As for ENV203 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in appropriate postgraduate qualification or BEnvSc.

Co-requisite: Internet access if studying externally.

**Global and Regional Sustainability (ENV212)**

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

SGP1: T2B-internal

Rapidly growing population, the spread of cities, the energy crisis, global warming, deforestation, desertification, the loss of species and toxic chemicals are examples of global environmental challenges with a social and economic basis that invite regional solutions. This unit will provide a global and regional perspective on the interconnections between these concerns; their solution in a sustainable development framework; and the role of technology, community values and global and regional sustainability institutions in managing our future.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Global and Regional Sustainability (ENV512; was ENV412)****As for ENV212 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

**Global Media: Asia-Pacific Perspectives (MCC682)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit explores the dynamics of the political, economic, cultural and social impacts of the global media from an Asia-Pacific perspective. It discusses the key functions of the global media industry and institutions, media content and discourse, as well as media markets and consumption in a number of key Asia-Pacific nation-states, including Australia, China and Singapore. Students will engage with current issues, themes and debates about the global media, from a Western and a non-Western perspective.

Lectures: 1.5 hours; tutorials: 1.5 hours

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

Students in the Master of Arts in Communication Management should enrol in the 6-point version of this unit.

**Global Media: Asia-Pacific Perspectives (MCC6821)****As for MCC682 except:**

Credit Points: 6

Murdoch: S1-internal

Prerequisites: Enrolment in the Master of Arts in Communication Management.

Co-requisite: Internet access if studying externally.

Other postgraduate students should enrol in the 4-point version of this unit.

**Government Agencies in a Changing World (POL250)**

Credit Points: 4

Murdoch: S1-internal, S1-external

The unit focuses on government reform efforts in areas such as service provision and service delivery. It will also look at innovations like performance management and contracting out that have been implemented to improve the efficiency and effectiveness of government. The unit also looks at critical issues in the modern public sector such as transparency and accountability. The unit therefore provides students with a sound understanding of change in the practice of government.

Up to 3 hours.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed POL250/P250 Public Sector Management may not enrol in this unit for credit.

**Government Agencies in a Changing World (POL551)****As for POL250 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Greenhouse Accounting and Life Cycle Assessment (PEC311)**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

This unit develops an understanding of the rigorous Greenhouse Accounting and Life Cycle Assessment methodologies that apply in a brave new world of environmental regulation and markets. The possibility of carbon pricing in Australia, combined with an increased community awareness of climate change, demands thorough attention to the accounting of greenhouse gas emissions. This unit will look at Government mandates through the National Greenhouse and Energy Reporting System.

Internal: Lectures: 2 per week; tutorials: 1 per week.

External: available online.

Prerequisites: Completion of PEC332 Greenhouse Science and Policy is recommended.

Co-requisite: Internet access if studying externally.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level version of this unit.

**Greenhouse Accounting and Life Cycle Assessment (PEC611)****As for PEC311 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

KAPLAN-SGP: T3A-internal

Prerequisites: Enrolment in a Postgraduate course.

Co-requisite: Internet access if studying externally.

**Greenhouse Science and Policy (PEC332; was PEC322)**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external

This unit presents a study of the scientific theory of global warming, the natural and enhanced greenhouse effect, causes of global warming, climate modelling and experimental evidence relevant to testing these models. It covers the consequences of global warming, climate change scenarios, greenhouse gas abatement strategies and social and technological approaches to mitigation and adaptation. Greenhouse policies, national and international frameworks, legal aspects, economic and fiscal measures will be examined.

Internal: lectures: 2 per week; tutorials: 1 per week.

External: available online.

Prerequisites: Nil. Recommended: M292/PEC292 Energy in Society; knowledge of Physics equivalent to M120/PEC120 Introduction to Physics.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have previously completed PEC322 Greenhouse Science and Policy are not permitted to enrol in this unit.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level version of this unit (PEC632).

**Greenhouse Science and Policy (PEC632; was PEC422/PEC532)****As for PEC332 except:**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external

KAPLAN-SGP: T3A-internal

Prerequisites: Enrolment in an honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

**Head/Cervical Spine Care (CHI3621)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

**Health and Physical Assessment (NUR105)**

Credit Points: 3

Peel: S2-internal

This unit will develop the students' competence when completing health and physical assessments. It will further develop the students' approach to critical thinking and decision making processes related to the care of the individual and provide knowledge and skills required by the student to demonstrate competencies associated with the relevant structured clinical practice.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: NUR110 Introduction to the Nursing Profession – Clinical Placement. Students should note that NUR110 has a prerequisite of NUR100 Introduction to the Nursing Profession.

**Health and Physical Assessment - Clinical Placement (NUR115)**

Credit Points: 1

Peel: SUM-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within an aged care/medical/surgical setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective

student professional performance tool based on ANMC competencies.

Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Prerequisites: NUR105 Developmental Health Assessment. Students who have not completed NUR105 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR105 has a prerequisite of NUR110 Introduction to the Nursing Profession - Clinical Placement.

Co-requisite: Internet access if studying externally.

Students should note that this unit is offered in two rotations. The first rotation is from November to December 2011 and the second rotation is from January 2012 to February 2012 therefore enrolment is only available in November 2011.

A result of Ungraded Pass or Fail is awarded for this unit.

**Health and Physical Education and the Curriculum (EDN419; was EDU359)**

Credit Points: 4

Not available 2011

This unit prepares students for teaching health and physical education in secondary schools. The emphasis is on the construction of a teaching practice which integrates knowledge with practical strategies for effective learning. The unit emphasises the development of effective teaching for outcomes including skills for physical activity, self-management skills, interpersonal skills and the values, knowledge and understandings related to the promotion and maintenance of healthy and active lifestyles for learners.

Lectures/workshops: 50 hours, includes the equivalent of 2 days intensive workshop during Winter term.

Prerequisites: Enrolment in BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary) ; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

**Health and Religion (THE283)**

Credit Points: 4

Not available 2011

Examine the way communities draw upon their religious beliefs to maintain community health and well being and to conceptualise and respond to illness and disease. Study early Hebrew, ancient Greek and early Christian societies to the present. Issues: community health maintenance through social and cultic boundaries; individual responses to illness arising from faith and spirituality; perceptions of the source of, and responsibility for, illness in divine or human realms; forms and rituals of healing, and their administration in communities.

Lectures/tutorials: 3 hours per week.

Prerequisites: Nil.

**Health and Religion (THE483)****As for THE283 except:**

Credit Points: 4

Not available 2011

**Health and Society (SOC213)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit offers an introduction to the sociology of health, medicine and the body. The broad perspective of the unit emphasises the



social construction of knowledge about health, illness and healing, the significance of power relations, and the relationship between power and knowledge. Topics: illness experience and embodiment, inequalities in health, socio-cultural constructions of the 'normal', 'healthy' body, sociological critiques of medical knowledge, especially post-structuralist and feminist critiques, the new genetics, health promotion and the new public health.

*Lectures/tutorials: up to 3 hours per week.*

*Prerequisites: Nil. Highly recommended: S134/SOC134 Introduction to Sociology.*

*Co-requisite: Internet access if studying externally.*

*This unit will be useful to students majoring in Psychology; Pharmacy; Nursing; Chiropractic and Veterinary Science.*

### Health and the Environment (ENV351)

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

Examines the major causes of disease, disability and death in developing and developed countries, including water and food borne disease, cardiovascular disease, cancer and stress. Focus on the role of environment, diet and lifestyle in the causation and prevention of disease as well as the role of risk assessment and risk management. Topics: the role of nutrition, sanitation and transmission of infectious disease, stress and lifestyle factors. Concludes with prevention strategies and environmental aspects of preserving health and well being.

*Lectures: 2 hours per week; workshops: 3 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

### Health and the Environment (ENV651)

**As for ENV351 except:**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*Prerequisites: Enrolment in a honours or postgraduate level course.*

*Co-requisite: Internet access if studying externally.*

### Health and Well-Being in the Workplace (MBS570)

*Credit Points: 4*

*Not available 2011*

Performance at work and the quality of our working lives are crucially influenced by our general health and well-being. Reciprocally, the extent to which health and well-being concerns are supported by policy and practice, and managed effectively within work organisations, is a significant determinant of longer-term organisational performance.

Topics: occupational stress, work safety and accident prevention, drugs and alcohol, impact of vocational and organisational transitions, and practical support strategies for individuals with adjustment problems in the workplace.

*Prerequisites: Enrolment in a postgraduate-level course.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have enrolled in or completed R512/PSY512 Work and Well-being may not enrol in this unit for credit.*

### Health Care Education (NUR638)

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit focuses on developing effective teaching practices for peer and client education and explores conceptual issues and practical concerns surrounding mentoring in health care settings. Students examine the relationship between the individual learner, the teacher, the context and the clinical learning milieu. Students reflect on their own teaching philosophy, define and evaluate effective teaching strategies; critically analyse benefits of the andragogical and pedagogical learning paradigms; explore concepts, models and applications of mentoring; essential elements of mentoring relationships and programs.

*Lecture: 2 hours per week; tutorials: 2 hours per week.*

*Prerequisites: Enrolment in a postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### Health Literacy (NUR642)

*Credit Points: 4*

*Not available 2011*

This unit explores the barriers for patients from culturally and linguistically diverse backgrounds in communicating their health needs. These barriers also impact on access to services, communication of consent and understanding of treatment options. While the unit has a focus on CALD groups, the issues of poor literacy in Anglo-Saxon population groups is also explored. Students will be provided with tools and techniques to overcome these barriers which include the use of interpreter services.

*Lectures: 2 hours per week; tutorials: 2 hours per week.*

*Prerequisites: Enrolment in a postgraduate course.*

### Health Practice and Management (POL512)

*Credit Points: 4*

*Not available 2011*

This unit deals with business activities involving more than one country, including trade of goods and services; movement of personnel, capital and technology; and dealing with employees in or from other countries. It will look at issues such as interaction of the firm with the host countries' economics, politics, cultures and legal systems; accounting and taxation problems with multinational entities; structuring a multinational organisation; and formulation and controlling multinational strategy.

*Prerequisites: Nil.*

### Health Services Dissertation (NUR650)

*Credit Points: 12*

*Murdoch: S1-external, S2-external*

A substantial research project of 25,000 to 30,000 words related to the coursework area which the candidate has selected and be undertaken under the supervision of an approved staff member with expertise in the selected area. To be awarded a passing grade, the thesis must be of publishable quality. The proposed topic of study for the research project should first be discussed with the Academic Chair (Research).

*Prerequisites: NUR632 Applied Health Research Methods: From Research to Practice or equivalent research methodologies unit.*

*Co-requisite: Internet access if studying externally.*

*Students cannot self-enrol in this unit.*

**Health Services Project (NUR640)**

Credit Points: 8

Murdoch: S1-external, S2-external

A substantial research project of 12,000 to 15,000 words related to the coursework area which the candidate has selected and be undertaken under the supervision of an approved staff member with expertise in the selected area. To be awarded a passing grade, the thesis must be of publishable quality. The proposed topic of study for the research project should first be discussed with the Academic Chair (Research).

Prerequisites: NUR632 Applied Health Research Methods: From Research to Practice or equivalent research methodologies unit.  
Co-requisite: Internet access if studying externally.

**Health, Fitness and Performance Assessment (CHI208)**

Credit Points: 4

Murdoch: S1-internal

This unit teaches students to perform pre-participation screening, risk appraisal, exercise and performance assessments. Advantages and limitations of various health and fitness assessments will be discussed, together with factors that can influence results. Students will learn how to select and perform appropriate tests for special groups such as athletes, children, older adults and individuals with health conditions. Physiological tests to determine components of fitness such as muscular strength, endurance, power, flexibility, cardiorespiratory fitness and body composition will be performed.

Lectures: 3 hours; laboratories/workshops: 2 hours.

Prerequisites: CHI124 Principles of Sports Science or CHI109 Chiropractic Skills and Principles I.

**Hermeneutics (THE281)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Hermeneutics as a field of studies has undergone many transformations. It has been understood as the theory of textual interpretation, the 'Art of Understanding' (Schleiermacher), the methodological foundation of the humanities, and the foundation of human understanding of the world and the self. This unit will explore the history of hermeneutics as a field of study, and introduce the most significant current approaches.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Hermeneutics (THE481)****As for THE281 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

**High Risk Neonatal Nursery Care (MID605)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit looks at the history of neonatal nursing and changes that have enhanced provision of care for neonates today. Students will explore causes for preterm births and identify potential risk factors encountered in the preterm neonate. Students will develop assessment skills used for the high-risk newborn and identify appropriate outcomes for the infant and family. Care will focus on stabilising the high-risk infants by integrating knowledge and skills

of the needs of the infant with nursing process.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a Postgraduate Course.

Co-requisite: Internet access if studying externally.

**Hip/Knee/Ankle/Foot Care (CHI3631)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

**Historical Mysteries of the Modern World (HIS234)**

Credit Points: 4

Murdoch: S2-internal, S2-external

What caused the disastrous loss of Sir John Franklin's Expedition in the Arctic in the late 1840s? Who was Jack the Ripper? Why did Nazi leader Rudolf Hess fly to Britain in 1941? These are some of the mysteries examined in this unit, which seeks to develop students' research, analytical and reporting/writing skills. The mysteries are examined within their broad historical contexts. Assessment includes a major research essay and an end-of-semester exam.

Lectures/tutorials/workshops: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**History of the Christian Church I: Early to Medieval (THE285)**

Credit Points: 4

Not available 2011

Examines the development of the Christian Church from its beginnings as a sect in the Roman Empire to its promulgation as the official religion of the empire and its religious monopoly in the medieval societies of Western and Eastern Europe. In addition to issues relating to church and society in this period the unit will also look at developments within Christianity such as evolving patterns of ministry and leadership, monasticism and mysticism, workshop and belief, the Crusades and the papacy.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

**History of the Church II: Reformation to Modern (THE286)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Examines the crisis of sixteenth-century Europe that produced the Reformation and the split of Western Christianity into Protestant and Catholic. Particular attention will be paid to the various churches of the Protestant and Catholic Reformations. Looks at how those two traditions developed from the sixteenth century until the late-twentieth century in Europe, the United States, Africa, Asia and the Pacific. Introduces various movements within the modern period that impacted on the Church, including the Enlightenment, various revival movements, and totalitarianism.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Holistic Developmental Health Assessment (NUR208)**

Credit Points: 4

Peel: S1-internal

Part of the BNurs (Conversion) course, this unit reviews and incorporates knowledge and skills based on the continuing development of students' undertaking health and physical assessments. It will further develop the students' approach to critical thinking and decision making processes related to the care of the individual and provide knowledge and skills required by the student to demonstrate nursing competencies.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Nil.

### **Holistic Nursing (NUR103)**

Credit Points: 3

Peel: S1-internal

This unit explores the relationship between physiological and psychological growth and development across the human life span. It will introduce the student to concepts of critical thinking and decision making processes relating to the care of the individual and the interdisciplinary relationship of the healthcare team.

Lectures/workshops/tutorials: 2 hour lecture per week; 2 hour laboratory or workshop per week.

Prerequisites: Enrolment in Bachelor of Nursing.

### **Hollywood and History (HIS249)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores the intersection of feature film and history, focusing on twentieth century America. Through the lens of feature film we will investigate and interpret some of the key events, personalities and ideas in America's recent past. Topics: the Great Depression, the Cold War, Vietnam War, the assassination of John F. Kennedy and the Civil Rights movement, the cultural 'revolution' of the 1960s and Watergate.

Lectures/film sessions and workshops: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Homiletics (THE491)**

Credit Points: 4

Murdoch: S1-internal

The unit examines the theory and practice of religious communication particularly as these relate to preaching in the Christian tradition.

Lectures/workshops/tutorials: 3 hours per week.

Prerequisites: Nil. Highly recommended: at least two 200-level theological units.

### **Homiletics (THE591)**

**As for THE491 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### **Honours and Masters Research Seminar (STP418)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit provides an opportunity for students undertaking research and higher level projects and degrees to be exposed to the processes involved in carrying out self motivated research projects, from defining the question and ethical considerations to carrying out the research and writing it up.

Seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Honours and Masters Research Seminar (STP618)**

**As for STP418 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Seminars: 3 hours per week.

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Honours Thesis in Conservation and Wildlife Biology (BIO4079-12)**

**As for BIO4079 except:**

Credit Points: 12

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### **Human Anatomy I (CHI280)**

Credit Points: 4

Murdoch: S1-internal

The first of two anatomy units covering human anatomy. With CHI282, it covers the functional, macroscopic and normal imaging anatomy of the human body. The unit covers all body systems other than the central nervous and locomotor systems. Practical sessions are varied and include prosections, surface anatomy, fresh organs, medical images and museum specimens. Practicals are complemented by project work and presentations of surface anatomy.

Lectures: 4 hours per week; practicals: 3 hours per week; seminars and workshops: 1 hour per week.

Prerequisites: BMS101 Introduction to the Human Body and CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy/VET108 Topics in Comparative Mammalian Anatomy).

This unit is subject to quota. Preference will be given to students in Chiropractic.

### **Human Anatomy II (CHI282)**

Credit Points: 4

Murdoch: S2-internal

Covers, with its predecessor CHI280, the functional, macroscopic and normal imaging anatomy of the human body. Topics covered include neuroanatomy and functional anatomy of the spine and limbs. Emphasises how joints and muscles work and the relevant regional and applied anatomy associated with that movement and its local innervation.

Practical sessions centre on prosections, surface anatomy, radiographic and other images and museum specimens. Practicals are complemented by project work, involving surface anatomy.

Lectures: 4 hours per week; practicals: 3 hours per week;

seminars/workshops: 1 hours per week.

Prerequisites: BMS101 Introduction to the Human Body and CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy/VET108 Topics in Comparative Mammalian Anatomy).

This unit is subject to quota. Preference will be given to students in Chiropractic.

### Human and Comparative Biochemistry (BMS261)

Credit Points: 4

Murdoch: S1-internal

Knowledge of intermediary metabolism and molecular biology is central to the understanding of the normal healthy metabolic state in humans and other species, from which the disturbances in metabolism associated with disease and principles of treatment can be better appreciated. The unit emphasises the molecular basis of medicine and the conceptual understanding of metabolism in the whole organism.

Lectures: 4 hours per week; practicals/tutorials: 3 per week.

Prerequisites: N152/BIO152 Cell Biology.

Exclusions: Students who have successfully completed N270/BIO270 Biochemistry I or ANS251 Agricultural Biochemistry may not enrol in this unit for credit.

### Human Factors in Information Technology (ICT612)

Credit Points: 4

Murdoch: S1-internal

Covers the human factors (HCI) aspects of Information Technology at four levels: individuals, groups, national and international. Discusses methods of design and evaluation used to produce efficient, effective and satisfying user interfaces, multimedia products and websites. Also considers computer mediated communication, groupware, organisational modelling, virtual reality, augmented reality and ubiquitous computing and mobile technologies. Relates theoretical concepts to practical techniques within a fair social-technical context.

Lectures/tutorials: 3 hours per week.

Prerequisites: Enrolment in a postgraduate IT course.

### Human Resource Economics (BUS375; was BUS275)

Credit Points: 4

Murdoch: S2-internal, S2-external, SB4-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S2K-internal, SB4-internal

SGP1: T1B-internal, T3B-internal

It is increasingly recognised that efficient use of human resources is a key determinant of the performance of enterprises and nations. This unit will apply economic analysis to human resource decision making. Topics: the hiring decision, the training decision, job hierarchies within the organisation, remuneration issues and the growth of flexible working arrangements.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### Human Resource Management Law (MBS501)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD2-internal

KAPLAN-SGP: T2A-internal

This unit is about law relevant to the recruitment, performance and termination of work relationships in Australia. It investigates the legal relationship between an employer and employee. Coverage of applicable legislation is a focus, with a study of the rights and obligations imposed on parties to work relationships, legislated standards, awards, collective agreements, dismissal and occupational health and safety. The unit is part of the Murdoch Business School postgraduate courses.

Seminars: 3 hours per week.

Prerequisites: Enrolment in a Murdoch Business School postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Human Resource Management Perspectives (MBS617)

Credit Points: 4

Murdoch: S1-internal, S1-external

DUBAI-ISC: TD1-internal

KAPLAN-SGP: T2A-internal

This unit presents an overview of the management of human resources from the perspectives of both HR practitioners and line managers. It examines the practical and theoretical underpinnings of day to day HR practices. Topics such as recruitment and selection, training and development, performance management and remuneration for the organisation's most valuable asset are discussed. Students will participate in lectures, discussions, case studies and other experiential learning approaches. (MHRM students are advised to select this unit early in their course).

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Human Resources (PSY568)

Credit Points: 3

Murdoch: S1-internal

This unit deals with traditional issues in the management of human resources in organisational and service settings. Topics cover theoretical and practical problems of human resource management, including job analysis, recruitment and selection, performance management, performance appraisal, and human resource development. Treatment of these topics deals with both the organisation's welfare (which enables it to offer a stable environment to its work force) and the well-being of individual employees as this is affected by personnel practices.

Lectures: up to 4 hours per week.

Prerequisites: Enrolment in PgCertOHR or PgDipConsultPsych or MAppPsych or MAppPsych/PhD or DPsych or, for other Masters students, permission of the Unit Coordinator.

### Human-Computer Interaction (ICT325)

Credit Points: 4

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T2A-internal

This unit examines human-computer interaction (HCI), the key ingredient in the design of information based systems, multimedia, websites, interactive mobile technologies and games. It covers practical user interface design, prototyping and evaluation, but also includes consideration of theoretical and social disability aspects of HCI. The unit includes consideration of other disciplines (for example, psychology) in the effective design of HCI.

Lectures and tutorials: up to 4 hours per week.

Prerequisites: ICT207 Games Design and Programming or ICT231

*Systems Analysis and Design or ICT241 Games Software Design.*  
*Co-requisite: Internet access if studying externally.*

### **ICT in the Classroom (EDN205; was EDU205)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

Focuses on ways to use information and communications technology (ICT) to help students learn and teachers teach in primary, secondary or post-secondary settings. Numerous claims, some wildly optimistic, have been made about the relationships between ICT and education. This unit will help you assess some of these and develop effective strategies for integrating ICT into teaching and learning in your chosen area. This unit, on its own, is not sufficient preparation for those who want to teach information technology itself.

*Internal: 3 hours per week for 10 weeks.*

*External: No attendance required.*

*Prerequisites: Completion of at least one Part II education unit, or equivalent.*

*Co-requisite: Internet access if studying externally.*

### **Ideas in Action (SSH100)**

*Credit Points: 3*

*Murdoch: S2-internal, S2-external*

This unit explores the power of ideas to change the world, focussing on the birth of major ideas, their transmission, evolution, and global impacts. Through the study of selected iconic events, such as the invention of the contraceptive pill and global warming, students are introduced to the ideas and approaches central to the Social Sciences and Humanities, and are invited to reflect on competing moral and social arguments. Writing and critical thinking skills are a core focus of the unit.

*Lectures and tutorials: up to 3.5 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Immunology, Genetics and Microbiology (CHI305)**

*Credit Points: 4*

*Murdoch: S2-internal*

Introduction to three important areas of consideration for primary contact health care practitioners. The interdependence of genetics, immunology and microbiology will be emphasised. Basic concept of genetics, immunology and microbiology will be presented with consideration of the mechanisms of the immune response and its relationships to infectious microbial agents. Special discussion topics include vaccination, regulation of immunity, and the effects of excesses and deficiencies on the immune response. Project work and seminars will be required for completion of the unit.

*Lectures: 4 hours per week; workshop: 1 hour per week.*

*Prerequisites: Enrolment in Chiropractic and successful completion of Years 1 and 2.*

### **Immunology, Vaccines and Cell Culture (BIO252)**

*Credit Points: 4*

*Murdoch: S2-internal*

Explore the complexity of the immune system in health and disease, focusing on vaccine development. Immunology topics include: innate immunity, the lymphoid system, B cells and antibodies, T cells and their effector mechanisms, complement, cytokines, interferons and antigen presentation on cells. Mammalian cell culture topics include: the production of cell-lines, monoclonal antibodies and cryopreservation methods. Vaccine

topics include: development, commercialisation, new technologies, global challenges in immunisation. The cellular technologies covered relate to: mammalian cloning, stem cells and xenotransplantation.

*Lectures: 3 hours per week; practicals/workshops: 3 hours per week.*

*Prerequisites: N152/BIO152 Cell Biology.*

*Exclusions: Students who have successfully completed or are enrolled in V247/VET347 Veterinary Immunology and Molecular Genetics or V265/BMS265 Medical Immunology and Molecular Genetics or their equivalent may not enrol in this unit for credit.*

### **Inclusive Education (EDN334; was EDU380)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*Rockingham: S2-internal*

This unit focusses on the special educational needs of students who may be 'at risk' of developmental delay or educational difficulties, either through impairments or disabilities, or for other reasons. It will assist participants to identify and understand diverse learning needs, develop and implement strategies to enhance learning outcomes, and monitor student progress.

*Lectures: 1 hour per week; workshops: 2 hours per week.*

*Prerequisites: Enrolment in the Bachelor of Education, Graduate Certificate in Inclusive Education, Graduate Diploma in Education Studies.*

*E245/EDU245 Learning and Assessment Processes or E241/EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent; or EDN221 Learning, Teaching and Assessment 1 AND EDN222 Learning, Teaching and Assessment 2.*

*For the 600-level version of this unit, students must be enrolled in a Postgraduate Certificate in Gifted and Talented Education. Students without the prerequisite should consult the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

*Students enrolled in the Inclusive Education minor should enrol in the 6-point version of this unit.*

### **Inclusive Education (EDN3341; was EDU3801)**

**As for EDN334 except:**

*Credit Points: 2*

*Murdoch: SP26-internal, SP26-external*

*Intensive unit run in conjunction with Professional Internship. Teaching period contains four 4-hour intensive sessions on campus, including iLectures.*

*Prerequisites: Enrolment in Graduate Diploma in Education (Primary/Secondary), or BEd (Early Childhood and Primary), or BEd (Secondary), or BEd (Secondary)/BSportsSc, or BEd (Secondary) (Graduate); E245/EDU245 Learning and Assessment Processes or E241/EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent. Students without these prerequisites should contact the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

*Students enrolled in the Special Needs Education minor or the Inclusive Education minor should enrol in the 6-point version of this unit (EDN3342).*

### **Inclusive Education (EDN3342; was EDU3802)**

**As for EDN334 except:**

*Credit Points: 6*

*Murdoch: S1-internal, S1-external*

*Lectures: 1 hour per week; workshops: 2 hours per week plus 5 days of field experience.*

*Prerequisites: Enrolment in the Bachelor of Education (Primary) and*



*Inclusive Education minor; E245/EDU245 Learning and Assessment Processes or E241/EDU241 Processes of Learning or EDU242 Learning and Assessment: Theory and Practice or equivalent. Students without the prerequisite should consult the Unit Coordinator.*  
*Co-requisite: Internet access if studying externally.*

*An equivalent of five days of field experience in an education setting is associated with assessment in this unit.*

### **Inclusive Education: Contemporary Perspectives and Practices (EDU409)**

*Credit Points: 4*

*Murdoch: S2-external*

This unit aims to develop an understanding of inclusive education policy and practice across contexts. It explores factors that support education systems and classroom teachers to provide quality learning environments for all students, in particular, those with disabilities and a range of difficulties with learning or those who are gifted. Participants may pursue topics of interest such as: inclusive education policy and pedagogy; whole school and classroom practices; assessment and planning; instructional strategies and collaboration and consultation.

*No attendance required. On-campus meetings are usually available at the discretion of the Unit Coordinator.*

*Prerequisites: EDN334/EDU380 Inclusive Education or EDU380 Special Needs for students enrolled in an Initial Education course. Students enrolled in the Graduate Certificate in Special Needs Education/Graduate Certificate in Inclusive Education can enrol in EDN334 as a co-requisite.*  
*Co-requisite: Internet access if studying externally.*

### **Inclusive Education: Contemporary Perspectives and Practices (EDU609)**

*As for EDU409 except:*

*Credit Points: 4*

*Murdoch: S2-external*

*Prerequisites: Enrolment in the Postgraduate Certificate in Gifted and Talented Education, or a Masters or Doctoral degree in Education, or permission of the Unit Coordinator.*  
*Co-requisite: Internet access if studying externally.*

### **Income Taxation Principles (LAW353)**

*Credit Points: 4*

*Murdoch: SP18-internal*

Students will acquire a thorough understanding of the concepts and principles underlying our income tax laws, and an appreciation of just how fascinating and bizarre many of them are. Rather than descending to a dry review of the minutiae of endless provisions, this unit will lead students into a theoretical critique of our current approaches to income taxation. Topics: types of receipts subject to tax and the kinds of outgoing allowed as deductions; tax treatment of companies, trusts and partnerships.

*Taught intensively over one week: refer to timetable for details.*

*Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.*

*Exclusions: Students in Law/Commerce who enrol in this unit may not enrol in C313/BUS313 Taxation for credit.*

### **Indigeneity and Critical Theory (AIS303)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit introduces students to critical theory: its origins, history and current usefulness, particularly as relates to the needs and

interests of Indigenous scholars. It examines, among other things, post-colonial theory; the post-modern 'turn;' feminist and Queer critical theory, and Indigenous research methodologies.

*Seminar: 3 hours per week*

*Prerequisites: AIS281 Contemporary Indigenous Issues.*

*Co-requisite: Internet access if studying externally.*

*It is recommended that all students complete at least one year of Part II units before enrolling in this unit.*

### **Indigeneity and Critical Theory (AIS603)**

*As for AIS303 except:*

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*Prerequisites: Enrolment in a postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### **Indigenous Culture and Health Care (NUR234; was NUR304)**

*Credit Points: 4*

*Peel: S2-internal*

This unit will provide the student with a broad overview of Indigenous history, culture, social and economic circumstances that can be applied to Indigenous healthcare issues. Issues to be included are current determinants of Indigenous health, cross-cultural communication, Indigenous primary healthcare, rural and remote issues, sociocultural, economic and Aboriginal community controlled health services and strategies for delivery of effective Indigenous health services.

*Lectures: 2 hours per week; workshops: 2 hours per week.*

*Prerequisites: Nil.*

### **Indigenous Tourism Issues (TOU211)**

*Credit Points: 4*

*Not available 2011*

This unit is concerned with the involvement of indigenous peoples in tourism. It examines the impacts of tourism on indigenous peoples from the emic and etic points of view along the spectrum from commoditisation of culture and the 'museumisation' of peoples, to the role of tourism in resurrecting and strengthening the value of indigenous practices and culture. Case studies include Aboriginal Australia, the South Pacific, Asia and East Africa. Participation in field trips on a cost recovery basis is required.

*Lectures/tutorials: 3 hours per week; occasional field trips.*

*Prerequisites: S115/TOU102 Introduction to Travel and Tourism or S116/TOU101 Introduction to Tourism Systems. Highly recommended: R208/TOU201 Sustainable Tourism.*

### **Indigenous Tourism Issues (TOU511)**

*As for TOU211 except:*

*Credit Points: 4*

*Not available 2011*

*Prerequisites: TOU501 Sustainable Tourism.*

### **Indonesian 1A (IND161)**

*Credit Points: 3*

*Murdoch: S1-internal, S1-external*

This is a beginning unit for students who have no previous knowledge of Indonesian. The emphasis is wholly on conversation, with reading and writing skills based on conversational materials.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: Nil. Co-requisite (for all students): Internet access.  
Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 1B (IND162)

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit is a continuation of IND161 Indonesian 1A. The emphasis is wholly on conversation, with reading and writing skills based on conversational materials.

Language workshops: 3 hours per week. (hours may be adapted to class size).

Prerequisites: IND161 Indonesian. Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 2A (IND261)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit comprises four components: reading, speaking, listening comprehension, and writing. Translation, grammar and style are taught in relation to these components. Students who have previously studied Indonesian at Year 11 or above may enrol into this unit or IND262 Indonesian 2B, IND361 Indonesian 3A or IND362 Indonesian 3B on the basis of assessment by the Unit Coordinator.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND162 Indonesian. Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 2B (IND262)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit comprises four components: reading, speaking, listening comprehension, and writing as a continuation of IND261 Indonesian 2A. Translation, grammar and style are taught in relation to these components. Students who have previously studied Indonesian at year 11 or above may enrol into this unit, or IND361 Indonesian 3A or IND362 Indonesian 3B on the basis of assessment by the Unit Coordinator.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND261 Indonesian 2A. Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 3A (IND361)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit develops strengths in conversation, reading, listening comprehension and writing, with grammar and style taught in relation to these components. Indonesian is used increasingly in instruction and class communication. Students who have previously studied Indonesian at Year 11 or above may enrol into this unit or IND362 on the basis of assessment by the Unit Coordinator.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND262 Indonesian 2B. Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian 3B (IND362)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit develops strengths in conversation, reading, listening comprehension and writing, with grammar and style taught in relation to these components. Indonesian is used increasingly in instruction and class communication. Students who have previously studied Indonesian at Year 11 or above may enrol in this unit on the basis of assessment by the Unit Coordinator.

Language workshops: 3 hours per week (hours may be adapted to class size).

Prerequisites: IND361 Indonesian 3A. Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Advanced students including those who have WACE qualification in Indonesian as Second Language or equivalent should consult the Academic Chair of Asian Studies to determine level of entry.

### Indonesian Language Project (IND452)

Credit Points: 4

Not available 2011

This unit is designed primarily for students who have completed IND343 Semester in Asia -- Indonesia (S1+S2), and aims to build on language skills acquired during in-country study. It focuses on advanced reading and/or translation and other skills. Students will study some issues relevant to translation as well as doing practical work in reading, translation and other skills using a range of contemporary materials.

1 hour per week or by negotiation.

Prerequisites: H3432/IND343 Semester in Asia -- Indonesia (S1+S2).

Permission to enrol may also be granted by the Unit Coordinator to background speakers of Indonesian and, under certain circumstances, to other students.

### Indonesian Language Project (IND652; was IND552)

As for IND452 except:

Credit Points: 4

Not available 2011

### Indonesian Law (LAW334)

Credit Points: 4

Not available 2011

This multi-disciplinary unit will introduce students to the Indonesian legal system. The unit will focus on the cultural, historical and economic context of Indonesian law, including the influence of Dutch colonial rule on Indonesia's modern laws. Indonesian customary and constitutional law, together with private and public law will be surveyed with a view to instructing students as to the nature of the contemporary Indonesian legal system.

*This unit is taught intensively during the week beginning 14th February with the final assessment due in March. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

Prerequisites: Nil.

### **Industrial and Commercial Energy Efficiency Technologies (PEC626; was PEC526)**

Credit Points: 4

Murdoch: S2-external, Y-external

This unit is the second of two units that look at advanced methods in energy efficiency. Topics: heat exchangers, advanced process integration, boilers and steam distribution, cogeneration, electric motors, refrigeration and heat pumps, pumps and fans, dryers, separation and concentration processes.

External: no attendance required.

Prerequisites: PEC594 Energy Management or equivalent. Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy. Co- or prerequisite: PEC425/PEC625 Energy Efficiency, System Analysis and Auditing. Co-requisite: Internet access if studying externally.

*This unit is taught externally/online by staff from Massey University with tutorial support from Murdoch staff.*

### **Industrial Bioprocessing and Bioremediation (BIO301)**

Credit Points: 4

Murdoch: S2-internal

Microbes play a key role in industrial and environmental bioprocesses such as pharmaceutical and food production, waste treatment, renewable energy generation and environmental bioremediation. The principles of these bioprocesses are studied using a problem-based approach. The unit investigates how microbial reactions can be predicted and controlled and how oxygen, pH and other conditions affect different bioprocesses. Example topics are: pollutant biodegradation, algae culture, vitamin, antibiotic and beer/wine production, bioleaching, bio-fuels, bio-electricity, bioreactor design and control.

Lectures: 3 hours per week; 5 laboratory/tutorial sessions and a group.

Prerequisites: PEC144 Principles of Chemistry and BIO152 Cell Biology.

### **Industrial Computer Systems Design (ENG454)**

Credit Points: 4

Murdoch: S1-internal

This unit is concerned with the design, specification, and implementation of a process control system, with emphasis upon the industrial computer system, including the following aspects: operator interfaces, historical trending, alarms, interlocks, safety, I/O cabling and wiring, software architecture, point configuration, real-time database startup and shutdown, simulation, testing commissioning and documentation. The unit will require students to implement practical solutions to industrial problems drawing upon their background in preceding units.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: ENG305 PLC Systems; ENG306 Realtime and Embedded Systems; ENG345 SCADA and Instrument Systems.

Summer Offering: enrolment only with the permission of the Engineering Academic Chair.

### **Industrial Computer Systems Design (ENG654)**

**As for ENG454 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: ENG505 PLC Systems; ENG506 Real Time and Embedded Systems; ENG545 SCADA and Instrument Systems.

Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### **Industrial Instrumentation Technologies (ENG564; was ENG437)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit provides a review of instrumentation technologies. Research is targeted towards building upon understanding, knowledge and practices developed from more fundamental studies. Through this unit it is expected that an appreciation of modern instrumentation technologies and systems will be gained.

Meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in Master of Engineering or permission of the Engineering Academic Chair.

### **Industrial Project (MBS615)**

Credit Points: 8

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, WU3-internal, Y-internal, Y-external

This unit may be taken as an elective in any area of study covered in the Master of Business Administration or Master of Human Resource Management. A substantial project (e.g. a business plan or investigation of a topic) is submitted for assessment. Enrolments are subject to the availability of an academic supervisor and need approval from the Academic Chair. Students enrolled in the MBA in International Business must select this unit.

Contact your Supervisor.

Prerequisites: Students enrolled in postgraduate courses (except MBA in International Business) require approval of the Academic Chair and Supervisor.

Co-requisite: Internet access if studying externally.

Students enrolled in the MBA in International Business must enrol in the WU3 teaching period to ensure concurrent enrolment in MBS672 Chinese Business Enterprise Development. Enrolment in this unit for the MBA in International Business will require students to travel overseas to China. Therefore, students must be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure by checking the following link:

<http://www.smartraveller.gov.au/>

Where the intended overseas location has a high level travel advisory in place the student can opt not to travel to that destination. Instead they can seek alternative arrangements as determined by the Academic Chair and approved by the Dean of School.

All students must complete the University's online Travel Register prior to departure.



**Industrial Signals and Systems (ENG514)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit aims to provide an understanding and practical experience with the acquisition, processing and analysis of signals obtained from typical engineering systems. It essentially represents a culmination of the material under the broad category of signals and systems. Although a range of theoretical concepts are addressed, emphasis is upon using modern computer-based hardware components and software packages. Acquisition, processing and analysis of signals from a broad range of engineering systems will be considered.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Nil.

**Industry Practicum (BIO300)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

This unit recognises the importance of appropriate work experience in an industry environment, enabling students to obtain appropriate credit points. Students wishing to participate must submit a proposal form available from the Unit Coordinator. Approval is based upon the merit of the proposal, the background of the student and the appropriateness of the placement. Students are encouraged to find their own placement. Upon completion of industry work students submit written reports on the work undertaken. Confidential projects will be considered.

Approximately 130 hours for the 4-point practicum; 98 hours for the 3-point practicum and 65 hours for the 2-point practicum.

Prerequisites: Completion of at least 48 points. Selection into this unit will be on a competitive basis because places are limited.

**Industry Practicum (BIO3002)**

As for BIO300 except:

Credit Points: 2

Murdoch: S1-internal, S2-internal, Y-internal

**Industry Practicum (BIO3003)**

As for BIO300 except:

Credit Points: 3

Murdoch: S1-internal, S2-internal, Y-internal

**Infectious and Emerging Diseases (VET640)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit will provide students with the knowledge about emerging endemic and epidemic infectious diseases that have a significant impact on livestock production. Both infectious and non-infectious diseases will be discussed and emphasis will be placed on those diseases with significant impact on trade, herd/flock productivity and human health.

Seminars as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Veterinary Surveillance or permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

**Infectious and Parasitic Diseases (VET629)**

Credit Points: 4

Murdoch: S2-external

This unit reviews diagnosis and treatment of the major infectious

and parasitic diseases of companion animals with an emphasis on the organisms of greatest importance in the Australian and Asian regions. Zoonotic diseases and the principles of infectious disease control are also discussed.

External.

Prerequisites: Enrolment in either Postgraduate Certificate in Small Animal Practice (International) or Master of Veterinary Studies in Small Animal Practice. All students in the International Postgraduate Certificate must complete the offshore workshop prior to enrolment and must have reliable internet access.

Co-requisite: Internet access if studying externally.

**Information Security Management (ICT357)**

Credit Points: 4

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T3A-internal

Security of resources and data is of the utmost priority. Looks at identifying and securing an organisation's data and information technology from strategic and tactical viewpoints. Students will study threats and vulnerabilities of systems security, and different methods of enforcing security, and appropriate methods for securing different types of systems. Ethics, legal issues and governance, students will gain experiential knowledge by completing tactical exercises that identify the vulnerability of organisations' information holdings and develop measures to protect these assets.

Workshops: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Information Security Management (ICT557; was ICT457)**

As for ICT357 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a postgraduate IT course.

Co-requisite: Internet access if studying externally.

**Information Systems Research Topic (ICT704)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

The purpose of this unit is to introduce students to an advanced topic of current interest within the information systems research community. The exact topic studied in this unit varies as the topic will be taught by an active researcher in that area. Possible topics include: advanced human computer interaction, electronic commerce, small business IT use.

Seminars: 2 hours per week.

Prerequisites: Enrolment in the Doctor of Information Technology.

**Information Technology Project (ICT333)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

KAPLAN-SGP: T2A-internal, T3A-internal

This unit gives students a 'real-world' experience of project development in information technology by applying project management principles together with the skills developed in their IT majors. Teams take their project through all stages of the project development, culminating with a presentation of the project. Students gain practical experience in system planning, design and development, project coordination and team management, and communication with project clients and users. Students are

expected to enrol in this unit in their final semester.

*Lectures/seminars: 1 to 3 hours per week; supervised group meetings: 1 hour per week; client and team meetings: as required.*

*Prerequisites: B218/ICT218 Databases or ICT362 Network Security, and minimum 24 points at Part II-level, but preferably having completed 32 points at Part II-level.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed M316/B316 Software Engineering Project or M328/B328 Information Systems Project may not enrol in this unit for credit.*

### **Information Technology Project Management (ICT618)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit will cover the principles and practices of managing and developing large-scale IT systems. Possible topics include: Project planning, project life cycles/models, standards, project management tools, project control, monitoring and plan adjustment, project scope management, configuration management and version control, time management and scheduling, cost estimating, budgeting and control, risk management, software quality assurance, control and standards, project human resource management and project communication management, project procurement management, project closure.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: Enrolment in a postgraduate IT course.*

*Exclusions: Students who have successfully completed ICT327 Management of IT Projects may not enrol in this unit for credit.*

### **Information Technology Research Dissertation (ICT678)**

*Credit Points: 12*

*Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external*

To enrol in this unit, students must submit a proposal for approval by the Academic Chair in consultation with an academic advisor. The purpose of the unit is to provide students with the skills, knowledge and experience to conduct research in information technology related areas. Students will be in regular contact with their academic supervisor. Students submit a literature review, several progress reports and a substantial final formal report for assessment.

*Seminars/supervisor meetings: 1 hour per week average.*

*Prerequisites: Enrolment in Master of Science in Information Technology (Coursework and Dissertation).*

*Co-requisite: Internet access if studying externally.*

*Students cannot self-enrol in this unit.*

### **Information Technology Research Methodologies (ICT477)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit is designed to provide an introduction to research for students in information technology areas. It will focus on issues in research methodology, including problem formulation, theory construction, research designs, measurement and validity. In addition the unit will cover identification of suitable information sources with an emphasis on the Internet as a research tool.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: Enrolment in an IT Honours course.*

### **Information Technology Research Methodologies (ICT650)**

**As for ICT477 except:**

*Credit Points: 4*

*Murdoch: S1-internal*

*Prerequisites: Enrolment in a postgraduate IT course.*

### **Information Technology Strategy (ICT622)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit recognises the highly dynamic nature of IT development and its impact on strategic management. Techniques allowing changes to be understood, modelled and tracked in strategic IT management contexts are introduced. Topics include: IT strategy, strategic planning, strategic alignment maturity, the role of the CIO. IT organisational structure, IT governance, and IT human resource issues including outsourcing, change management and contract management.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: Enrolment in a postgraduate IT course.*

### **Innovation Management (PEC374)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

The unit studies project management of innovative projects, including setting milestones and critical path programming of projects to reach objectives. It also covers marketing methods as applied to selling environmental systems technology and professional services.

*This unit involves a compulsory short course of 1 week duration held in Perth in June/July of each year, followed by on-line instruction in Semester 2.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Innovation Management (PEC674; was PEC574)**

**As for PEC374 except:**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*Prerequisites: Enrolment in Master of Science in Environmental Architecture or permission of the Unit Coordinator.*

*Co-requisite: Internet access if studying externally.*

### **Institutions, Culture and Power (MCC103)**

*Credit Points: 3*

*Murdoch: S2-internal, S2-external*

The unit introduces critical approaches to thinking about the relation between institutions, culture and power. Institutions covered include corporations, the media, family, nation, international non-government organisations, sport and education. Particular attention is paid to the relation between institutionalised positions of power and the economies which sustain them. Specific topics covered by the unit might include gendered performance in corporate culture, the potential of education to transform social relations of power, the future of nationalism and shifting definitions of family.

*Lectures: 1 hour per week; tutorials: 1.5 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

**Instrumental Analysis (PEC340)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit develops the analytical expertise of students beyond the basic level of PEC240 Chemical Analysis by focusing on important, modern instrumental methods used for chemical analysis. The focus is on advanced methods such as chromatography, thermal analysis, surface analysis, atomic, mass and vibrational spectroscopy and radiochemical methods. Special emphasis is placed on emerging analytical technologies. Laboratory classes are organised so students gain valuable 'hands on' experience with instruments they may expect to see in research, industrial and commercial laboratories.

Lectures: up to 4 hours per week; laboratories: 4 hours per week.

External: compulsory 5 day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: PEC240 Chemical Analysis.

Co-requisite: Internet access if studying externally.

**Instrumentation and Control Engineering Masters Project (ENG615)**

Credit Points: 12

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This project will address a problem of industrial significance, and will involve all aspects of Instrumentation and Control Engineering. This project may also require the student to be stationed at an industrial site.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

**Instrumentation and Control Systems Design (ENG420)**

Credit Points: 4

Murdoch: S1-internal

The unit provides a strong foundation in a number of advanced control topics such as Multivariable Systems, Relative Gain Array and its use in loop selection, Decoupler Design, Model Predictive Control, and HAZOP. The control techniques will be designed then implemented into an industrial Pilot Plant as well as a complex simulation case study and finally their performances are compared using different control performance measures.

Lectures and workshops: 4 hours per week; laboratories: 3 hours per week.

Prerequisites: ENG304 Control Engineering I; ENG346 Control Engineering II; ENG303 Advanced Process Engineering or EXM224 Principles of Unit Operations.

**Instrumentation and Control Systems Design (ENG620)****As for ENG420 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: ENG503 Advanced Process Engineering; ENG504 Process Control Engineering I; and ENG546 Process Control Engineering II.

Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Insurance Law (LAW319)**

Credit Points: 4

Not available 2011

An understanding of insurance law is important for both commercial and litigation lawyers. Most major commercial litigation involves at least one insurer. Commercial contracts often have insurance ramifications. In this unit students will gain an understanding of the special qualities of an insurance contract both at common law and pursuant to the Insurance Contracts Act 1984 (C'th). If time permits, marine insurance will also be covered.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

**Integrated Clinical Studies 1 (EQU041)**

Murdoch: S1-internal

This unit facilitates the integration and understanding of Small Animal Surgery, Avian, Exotic Pet and Wildlife Practice, Equine Practice, and Reproduction and Obstetrics.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

**Integrated Clinical Studies 2 (EQU042)**

Murdoch: S2-internal

This unit facilitates the integration and understanding of Small Animal Medicine, Cattle and Camelid Medicine, Production and Surgery, Small Ruminant Medicine and Production, and Intensive Industries Medicine and Production.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

**Integrated Clinical Studies 3 (EQU043)**

Murdoch: S1-internal

This unit facilitates the integration and application of Clinical Rotations and Professional Practice Management.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

**Integrated Clinical Studies 4 (EQU044)**

Murdoch: S2-internal

This unit facilitates the integration and application of Clinical Rotations, Professional Practice Management, and Special Assignments.

Tutorials/workshops: 2 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program.

**Integrated Early Childhood Curriculum (EDN322; was EDN322/EDU323)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

This unit builds on EDN320/EDN3201/EDU322/3221 Principles and Practices in Early Childhood Education and explores curriculum implications for the pre and early primary years. It will address integrated curriculum planning for children aged 3 to 8 years and will continue to develop the links between theory and practice in early childhood education introduced in EDN320/EDN3201 Principles and Practices in Early Childhood Education.

Lectures: 1 per week; workshops: 3 hours per week.

Prerequisites: EDN320/EDN3201/EDU322/EDU3221 Principles and Practices in Early Childhood Education OR enrolment in the Graduate Certificate in Early Childhood Education. BEd students must ALSO have successfully completed EDU101/EDU1011 Introduction to Teaching OR EDN111 Language for Learning and Teaching and EDN112/EDN1121 Understanding Teachers' Work.

Co-requisite: Internet access if studying externally.

### **Integrated Marketing Communications (BUS336)**

Credit Points: 4

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

SGP1: T2B-internal

The learning objectives of this unit are premised on developing a practical understanding of the marketing communication processes. Students will critically examine the differences between the various elements of the promotion mix: advertising, sales promotion, direct marketing, technology based marketing communications, sponsorships and public relations; to develop the most appropriate marketing communications strategies that can be applied to specific marketing environments.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS214 Marketing Development and Planning and BUS273 Consumer Behaviour.

### **Intellectual Property: Patents and Sui Generis Regimes (LAW379)**

Credit Points: 4

Murdoch: S1-internal

This unit critically analyses Australian patent law by placing it in an international context. It discusses law and policy issues relating to technological innovation and intellectual property in developed and developing countries. LAW375 Intellectual Property: Trade Marks and Copyright is NOT a prerequisite.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have successfully completed L355 Intellectual Property may not enrol in this unit for credit.

### **Intellectual Property: Trade Marks and Copyright (LAW375)**

Credit Points: 4

Murdoch: S2-internal

The unit surveys two of the four main areas of intellectual property law: copyright and trademarks. It is complementary to LAW379 Intellectual Property: Patents and Sui Generis Regimes. Students will be asked to critically assess the current intellectual property regimes, both nationally and internationally, in the context of the various social, economic and technological changes that characterise 'globalisation'.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing,

L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have successfully completed L355 Intellectual Property may not enrol in this unit for credit.

### **Intelligent Systems (ICT219)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides an introduction to fundamental concepts and techniques of intelligent systems by studying the uses of artificial intelligence in computer games. The embedding of software controlled agents in a virtual game environment allows basic concepts of perception, behavioural control and action to be studied in a vivid and engaging fashion. Topics: introduction to artificial intelligence, agents, bots and the game AI approach, knowledge representation, state machines, rule-based systems, machine learning, neural networks and genetic algorithms.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT104 Principles of Computer Science or enrolment in a postgraduate IT course.

Co-requisite: Internet access if studying externally.

### **Intelligent Systems Applications (ICT619)**

Credit Points: 4

Murdoch: S2-internal

An overview of the application of Artificial Intelligence (AI) and Soft Computing, and associated theory and techniques used in developing intelligent systems. Emphasis is on business and management although the principles are equally applicable in science and engineering. Upon completion students should be able to evaluate intelligent systems and manage the application of various tools available for developing such systems. Topics: expert systems, artificial neural networks, fuzzy systems, genetic algorithms, data mining, case-based reasoning, intelligent agents and natural language processing.

Lectures/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate IT course.

### **Intensive Industries Medicine and Production (VET451)**

Credit Points: 2

Murdoch: S2-internal

The course covers the diagnosis, treatment, prevention and control of diseases of intensively farmed species with emphasis on pigs and poultry. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production. The general principles involved in the investigation of herd and flock problems and formulation of herd and flock health and production programs is emphasised.

Lectures: 24 hours; practicals: 12 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

### **International Accounting (BUS319)**

Credit Points: 4

Not available 2011

The growth in size and number of multinational companies has added a new dimension to the problem of reporting accounting information. This unit examines the environmental factors driving accounting systems, together with the influence of the International

Accounting Standards Committee on global standard setting (focusing on the Asia-Pacific region). Foreign currency translation, transfer pricing, auditing and taxation are examined in an international context. Classes are taught as integrated seminars with the emphasis on business managers' use of accounting information.

Lectures/seminars: 3 hours per week.

Prerequisites: BUS160 Introduction to Accounting or BUS217 Technology and Accounting Processes.

### International Business (MBS630)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD3-internal

SGP1: T2N-internal

Prepares managers for the globalisation of business. Explores requirements for effective cross-cultural management and strategies for exploiting cultural diversity in the workplace to achieve competitive advantage. Topics: cultural analysis; comparing cultures; culture and organisational structures; patronage relationships; cross-cultural communication; motivation and conflict resolution; international negotiation skills; Chinese family business strategies; international joint ventures; international staffing policies; Asia as a market, resource base and source of learning; business-government relationships; headquarters, regional headquarters and subsidiary control and coordination.

Lectures/seminars/workshops: 3 hours per week

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed C551 Asia Pacific Business Strategies and/or C555 Cross-Cultural Management may not enrol in this unit for credit.

### International Business Enterprise Development (MBS672)

Credit Points: 4

Murdoch: WU3-internal

Provides business managers with cross-cultural skills and knowledge to establish productive business relationships in China and to establish and manage business ventures for foreign companies operating there. Topics: Chinese commercial negotiating styles; bargaining strategies; cultivating trust, building influence networks; decision-making processes; contracts; business customs, etiquette; conflict; market entry modes; levels of government for approvals and licenses; joint venture partner selection; joint venture negotiations, structures, staffing and control; political systems and structures.

Lectures/seminars/workshops: 3 hours (1 x 3 hours) per week in winter term at Murdoch Campus.

18 hours over 5 weeks in China.

Prerequisites: Enrolment in the MBA in International Business.

Half of this unit is taught in China. Therefore students must be aware of Australian Department of Foreign Affairs and Trade (DFAT) travel advisories prior to their departure by checking the following link: <http://www.smartraveller.gov.au>

Where the intended overseas location has a high level travel advisory in place the student can opt not to travel to that destination. Instead they can seek alternative arrangements as determined by the Academic Chair and approved by the Dean of School.

All students must complete the University's online Travel Register prior to departure.

### International Education: Issues and Practices in Schools (EDU613)

Credit Points: 4

Murdoch: SB6-internal, W3-internal

DUBAI-ISC: TD3-internal

KAPLAN-SGP: T2A-internal

This unit will focus on historical and contemporary issues and practices in the development of International Education in schools. A range of International curricula will be examined: in particular the International Baccalaureates Primary Years Program (PYP), Middle Years Program (MYP) and Diploma Program (DP).

As this unit includes a five-day intensive component, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator in the School of Education closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a postgraduate Education course.

### International Finance (BUS322)

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T3A-internal

SGP1: T1B-internal, T3B-internal

Topics: foreign exchange markets, futures, options, forward markets and currency swaps, determination of exchange rates, purchasing power parity, interest rate parity, hedging and the management of foreign exchange risk, asset and liability management for the multinational corporation, international portfolio investment.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS244 Treasury Management.

### International Financial Markets and Institutions (BUS290)

Credit Points: 4

Murdoch: S1-internal, S1-external, SB4-internal

KAPLAN-SGP: T3A-internal

SGP1: T1B-internal, T3B-internal

This unit provides a comprehensive analysis of the global financial system, with particular focus on the financial markets of Australia, China and the U.S. The unit also analyses current theories, issues and institutions relevant to the global trading system. The dominant theme of this Unit is the interdependence of the trading and financial systems in an increasingly globalised market.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed BUS290 Money Markets may not enrol in this unit for credit.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### International Human Rights Organisations (LAW376)

Credit Points: 4

GENEVA: S2G-internal

Focuses on the nature, origins, and operations of international human rights and humanitarian law organisations, including the United Nations High Commissions for Refugees and Human Rights, the Red Cross, and the International Labour Organisation. Topics covered include treaties, mechanisms and the application of standards relating to international human rights and humanitarian

law. Students will also learn how these organisations operate in practical terms, their role in promoting and enforcing human rights and humanitarian law, and their practical strengths and limitations.

*Seminars/lectures: 10 hours per week, taught intensively.*

*Prerequisites: L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L258/LAW258 Australian Administrative Law, L259/LAW259 Constitutional Law.*

*The SP8 enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.*

### **International Intellectual Property (LAW318)**

*Credit Points: 4*

*Not available 2011*

Intellectual property is a largely uniform area across nations. The 19th century Paris and Berne Conventions and the present day World Trade Organization Trade Related Intellectual Property agreement (WTO TRIPs) largely ensure this. TRIPs is judicially enforceable and the World Intellectual Property Organization (WIPO) is a very significant actor in this area. This unit surveys these treaties and the role of WIPO against the background of domestic intellectual property laws in China and Australia in order to gauge their impact.

*Lectures: Taught intensively over four weeks*

*Prerequisites: Enrolment in the Bachelor of Laws or Juris Doctor.*

*The SP8 enrolment option for this unit is offered as part of the European Summer Program in Law, hosted at the University of Macerata, Italy. Enrolment in this program is by application to the program Director, and applications require payment of a non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.*

### **International Management (BUS323)**

*Credit Points: 4*

*Murdoch: S1-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal  
SGP1: T2B-internal*

This unit aims to provide a framework for the analysis of problems and issues in managing an international business. The focus is on contemporary worldwide issues of competitiveness and how these are influenced by the cultural, political and economic environments. Topics: cross-cultural management issues; international strategic planning; international organisational structures; cross-cultural communication, decision-making, motivation and leadership; expatriation and repatriation of managers; and international human resource management and labour relations.

*Lectures: 2 hours per week; seminar: 1 hour per week.*

*Prerequisites: BUS240 Organisation and Management Development or BUS223 Organisational Theory and Behaviour.*

### **International Marketing (BUS321)**

*Credit Points: 4*

*Murdoch: S1-internal, S2-internal  
DUBAI-ISC: N2-internal  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal  
KDUPJ: S1K-internal*

*SGP1: T1B-internal, T3B-internal*

International Marketing is the performance of the marketing tasks across international boundaries, a necessity for firms wishing to participate in the global economy. The unit will focus on those key elements that a firm must assess when planning to take its product into an overseas market. Students will cover the everyday issues associated with international marketing, particularly where they differ from domestic marketing. The basic approach and principles are an extension to what was taught in the prerequisite units.

*Lectures/workshops: 3 hours per week.*

*Prerequisites: BUS214 Marketing Development and Planning and BUS273 Consumer Behaviour.*

### **International Relations Theory (POL603)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

This unit focuses on a selection of classical and contemporary texts in order to enhance students' understanding of theory and contemporary debates in the academic study of international relations and to prepare students to become producers of new knowledge by focusing their attention on issues on ontology, epistemology, and methodology in the study on international relations. Major themes may include morality and politics; debates over methods and theory; foreign policy and global conflict; and the search for peace.

*Seminar: 3 hours per week.*

*Prerequisites: Enrolment in a Postgraduate course.  
Co-requisite: Internet access if studying externally.*

### **International Security and Strategy (POL608)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

Belying all expectations, the post-cold war era in global politics has been fraught with conflicts, wars and various kinds of threats to national, international and human security and wellbeing. This unit will explore and analyse these security threats both theoretically and empirically and try to come up with effective strategies to deal with these threats.

*Seminar: 3 hours per week.*

*Prerequisites: Enrolment in a Postgraduate course.  
Co-requisite: Internet access if studying externally.*

### **International Security Studies (POL291)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit defines international security broadly to incorporate political, societal, military, environmental, economic and technological factors. After examining the competing theories of international politics and different conceptions of security, the focus shifts to the post-Cold War international system and especially the roles of the United Nations and international law in international security. It utilises case studies from Afghanistan, Cambodia, Iraq and Somalia to explain the changing dimensions of security.

*Lectures/tutorials: 5 hours per fortnight.*

*Prerequisites: Nil.  
Co-requisite: Internet access if studying externally.*

### **International Study Tour (BUS252)**

*Credit Points: 4*

*Murdoch: W-internal (quota of 35 places)*

This short stay (15 to 20 days) international study tour provides an

in-country cross-cultural experience of civilisation, art, music, business, politics, history, language, life and business of the destination country. It is designed to increase a student's international exposure and develop global-mindedness. Coursework occurs before, during and after the tour. Students are advised to email the Unit Coordinator for further details.

Lectures: 4 hours per week.

Prerequisites: Approval of the Unit Coordinator and selection panel based on application and interview.

This unit is available to all undergraduate students through the application and selection process.

The tour cost will include return airfares, airport transfers, accommodation and meals as arranged by Murdoch University. Prices are subject to exchange rate fluctuations. Students are also required to pay for their own incidental expenses, including passport, visa, taxis, vaccinations, personal health items and personal shopping.

This unit is subject to quota. A maximum of 35 students may be enrolled, once accepted by the Unit Coordinator and interview panel, due to the limited number of places available on the tour. Students must have completed their Part 1 units. Selection is by application only.

### International Study Tour (MBS652)

As for BUS252 except:

Credit Points: 4

Murdoch: W-internal (quota of 35 places)

Prerequisites: Approval of the Unit Coordinator and selection panel based on application and interview.

This unit is available to all postgraduate students through the application and selection process.

The tour cost will include return airfares, airport transfers, accommodation and meals as arranged by Murdoch University. Prices are subject to exchange rate fluctuations. Students are also required to pay for their own incidental expenses, including passport, visa, taxis, vaccinations, personal health items and personal shopping.

This unit is subject to quota. A maximum of 35 students may be enrolled, once accepted by the Unit Coordinator and interview panel, due to the limited number of places available on the tour. Selection is by application only.

### International Taxation (LAW361)

Credit Points: 4

Not available 2011

This unit will focus upon the basic principles of customary international law upon which the international taxation components of both the GST and income tax regimes of all countries, including Australia, are based.

Taught intensively over one week: refer to the teaching timetable for details.

Prerequisites: L260/LAW260 Contract, L258/LAW258 Australian Administrative Law, L259/LAW259 Constitutional Law.

Exclusions: Students who have completed LAW3002 Special Topics in Law: International Taxation may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to limited resources. Preference will be given to Law students in their final year.

### International Trade Law (LAW311)

Credit Points: 4

Murdoch: WF-internal (full fee-paying)

Consider contemporary policies and legal issues in international trade regulation. Examine the concept of free trade and the international structures that foster the liberalisation of international trade. Focus on the United Nations convention on Contracts for the

International Sale of Goods, 1980 (CISG), UNIDROIT Principles of International Commercial Contracts, Hague Convention on the Law applicable to International Commercial Contracts, and the Principles of European Contract Law. Consider INCOTERMS 2000 and the Uniform Customs and Practices for Documentary Credits (UCP 500).

Taught intensively over one week: refer to Teaching Timetable for details.

Prerequisites: All Part 1 units in the Bachelor of Laws.

Certain offerings of this unit may only be taken on a non Commonwealth-supported up-front full fee-paying basis, as indicated in the unit offerings.

This unit is subject to quota. Quota is due to limited resources. Preference may be given to students in Law in their final year.

### Internet Systems Programming (ICT336)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit is an advanced course in Internet and Web technologies. Topics include: Introduction to Web 2.0 technologies, management of web servers, design and implementation of Rich Internet Applications, XML and associated tools and technologies, and developing Web Service applications. The unit gives practical programming experience in the context of HTTP, XML, IIS, Web Services, RIA and ASP.NET.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT211 Web Computing.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have taken ICT336 Advanced Internet Computing may not take this unit for credit.

### Internship (NUR648)

Credit Points: 4

Murdoch: S1-external, S2-external

This unit enables students to undertake an industry based internship project over one semester in the areas of quality, risk, clinical or corporate governance in a health or aged care service. The project will be organised to suit a student's location, available hours and will be conducted under the supervision of the lecturer and nominated preceptor. Students will benefit through working with experienced health professionals and being responsible for the design, implementation or evaluation of a project.

A workplace based placement will be negotiated by the student in consultation with the lecturer. The placement will be conducted over an equivalent of one day per week for the 14 teaching weeks of the semester.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### Introduction and Application of Epidemiology (CHI106)

Credit Points: 3

Murdoch: S2-internal

This unit will introduce the student to critical evaluation of the literature with proper application to relevant health fields. The student will be required to become proficient in literature searches, database selection, research design analysis and critical reviews of current literature and other resources. The student will properly select the various epidemiological methods used in the literature. This will form a basis for the student to develop life-long learning skills they will need in their respective professions.

Lectures: 3 hours; workshops: 3 hours.

Prerequisites: Nil.

### Introduction to 3D Graphics and Animation (ICT101)

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit introduces the fundamentals of computer graphics, animation, audio and video, which is essential for multimedia and digital content development. Tools and techniques used for the creation, manipulation and transformation of visual and audio information are introduced. Topics include: understanding of bitmap and vector graphics; processing graphics; 2-D and 3-D geometry; nature of 3-D graphics; use of vectors and matrices in graphics; geometric manipulation of 3-D graphics; shading; animation; audio; video.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed ICT217 Digital Images, Graphics and Audio may not enrol in this unit for credit.

### Introduction to Accounting (BUS160)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

This unit provides an introduction and overview of corporate and management reporting. In the corporate reporting area, accounting will be set in its economic framework and topics such as the accounting equation, cash vs. accrual, accounting standards, financial ratio analysis, intercompany comparisons and performance evaluation will be considered. Management reporting will cover an introduction to budgeting, C-V-P analysis, financial and non-financial indicators, performance evaluation and interdivisional comparisons.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### Introduction to Administrative Law (LEG153)

Credit Points: 3

Murdoch: S2-internal

This unit explores how the government's exercise of administrative discretion is controlled. It outlines when, and how, administrative decisions are reviewable and the means by which government maintains accountability. State and Commonwealth administrative review powers are considered together with specialist administrative review bodies/tribunals, as well as Freedom of Information legislation and the function of the Ombudsman. The role of administrative law in areas of topical interest such as the environment, equal opportunity, and immigration are also considered as appropriate.

Lectures/seminars: up to 3 hours per week.

Prerequisites: L150/LEG150 Australian Legal System or co-requisite with L150/LEG150 Australian Legal System.

### Introduction to Applications of Psychology (PSY171)

Credit Points: 3

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

Psychological study and practice covers the vast spectrum of all human behaviour and thought. This unit will explore some of the more interesting issues faced when working as a psychologist. The unit will focus on how psychologists work in such areas as: child development and education; counselling and treatment of clinical disorders; organisational management and human resources; and many more specialist areas. This unit will also cover issues of professionalism, ethics, regulation and the practicalities of becoming a psychological professional.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

### Introduction to Asian Cultures (AST102)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit is an introduction to the complex and multiple cultures of the Asian region, focusing on 'traditional' patterns and on the way these are constantly reinvented in new historical and political contexts. It examines cultural histories of Asia up to the early 1950s, exploring major turning points and highlighting such aspects as ethnicity, religion, language, art, gender, economics, and politics.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Australian Biodiversity (BIO157)

Credit Points: 3

Murdoch: S2-internal

This unit introduces students to the major groups of Australian plants and animals. In doing so it illustrates: the major characteristics of our unique flora and fauna; how their form is adapted to habitat; their relative importance in the ecology of Australia; their cultural significance; and the threats to their existence. The practicals concentrate on developing skills to identify major groups of plants and animals, using examples from the biodiversity-rich regions of Western Australia.

Lectures: 2 hours per week; practicals: 3 hours per week.

Prerequisites: Nil.

### Introduction to Australian Indigenous Studies (AIS180)

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit is broadly divided into three themes: an introduction to the discipline and to some of the areas of specialisation available within it; how people might best position themselves as students of Indigenous Studies; and looking towards the future, in terms of cultural, political and pedagogical development. As Indigenous Studies is a dynamic, international field of inquiry, this unit emphasises works by Australian Indigenous scholars and authors, in addition to first nation writers and on occasions non Indigenous scholars.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.



**Introduction to Chemistry (PEC140)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Chemistry concepts are an important part of understanding many biological, marine and environmental processes. This unit introduces foundational chemistry concepts to prepare students for further studies in chemistry or such disciplines as indicated above. Topics include atomic and molecular structures, states of matter, chemical symbols and equations, simple reaction types, the mole concept, valency, periodicity, bonding, chemical stoichiometry, gas laws, concentration, chemical equilibrium, kinetics, acids and bases, pH, titrations, redox reactions, organic nomenclature, properties of hydrocarbons, alcohols and carboxylic acids.

Lectures/workshops/tutorials: a total of 5 hours per week; laboratories: 3 hours per week for a maximum of 5 weeks.

Externals: compulsory attendance at a 2-day on-campus laboratory session.

Due to the nature of this unit, external students are recommended to seek confirmation of exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: This unit is for students with a limited background in chemistry. Students with a final scaled score of more than 60% in Chemistry 3A/3B or TEE Chemistry within the past three years may be excluded from the unit.

Co-requisite: Internet access if studying externally.

Exclusions: Students who are currently enrolled in or who have successfully completed PEC114 Chemistry for Biological Sciences, PEC115 Chemistry for Environmental Science, PEC116 Chemistry for Physical Sciences, PEC144 Chemical Principles may not enrol in this unit for credit.

Completion of this unit will enable students to enrol in PEC144 Chemical Principles. Local conditions govern the laboratory component in the KAPLAN-SGP and JTOKYO offerings. Students without Year 10 Science should consider completing PEC100 Preparatory Science prior to PEC140.

**Introduction to Climate Change Studies (STP110)**

Credit Points: 3

Murdoch: S2-internal, S2-external

Climate change - the biggest global challenge of the 21st century? This unit introduces students to the science of climate change and its predicted impacts locally and globally. Students are introduced to public discourse about climate change and its policy implications. A range of responses to climate change including mitigation (reducing emissions) and adaptation (reducing negative impacts or capitalising on benefits) are explored. This is an interdisciplinary unit involving sciences, economics and social sciences.

Lectures: 1 hours per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Introduction to Clinical Studies (EQU036)**

Murdoch: S2-internal

This unit extends and consolidates students' discipline specific skills and understanding of VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice and VET459 Surgical Secrets.

Tutorials: 8 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, and are in the third year of the veterinary course.

**Introduction to Communication and Media (MCC108)**

Credit Points: 3

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

Students explore the foundational concepts of communication and media studies in this unit. The first part looks at the history of communication, considering key theories, policies and traditions that frame media practices. The second part considers the impact of new media through topics such as Web 2.0, social networks, online games, citizen journalism, creative industries and beyond. Students have the opportunity to think critically about communication and media via various modes of assessment.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC108 Introduction to Mass Communication or MSC134/MCC134 Media Industries may not enrol in this unit for credit.

**Introduction to Community Development (COD125)**

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit introduces students to sociological approaches to community development, with particular reference to its application in the Australian context. It will examine the emergence of the concept of community development and its meanings across diverse areas of practice. A key focus of the unit will be challenges posed by matching theory and practice in community development. Towards this end students will be expected to become familiar with, and aware of the limitations of key methodologies in community development.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Introduction to Computer Science (ICT102)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit introduces key aspects of computer science including data storage and manipulation, and problem solving using a high-level programming language. Topics: the components of a modern computer system; fundamental concepts of data storage; function of operating systems; algorithms and problem solving; fundamental aspects of a programming language including data types, input/output, simple selection and iteration control structures, procedural and data abstraction, one-dimensional arrays, strings and concept of files.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed G108/ENG108 Engineering Computing I may not enrol in this unit for credit.

**Introduction to Contemporary Asia (AST101)**

Credit Points: 3

Not available 2011

Asia contains three of the world's four most populous nations (China, India and Indonesia), the second largest national economy (Japan) together with many of the world's 'tiger' economies, and includes the world's newest nation-state (East Timor). Events in this

region have important consequences, not only for Australia but globally. This unit provides an introduction to the social, cultural, political and economic forces, which have shaped post-war Asia. The scope is broad and the emphasis is on recent decades.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Introduction to Creative Arts (EGL114)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit aims to provide students with a range of interpretative frameworks for dealing with creativity and the arts. It also aims to challenge students to develop the following skills: critical thinking and the ability to critique, independence in research, and a confident public presentation. This will be achieved through engagement with a range of topics including: performance, writing, music, art, spectatorship, representation and theatre.

Lectures/seminars: up to 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Data Communications (ICT103; was ICT227)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit aims to provide an understanding of the basic principles of data communications, the technological infrastructure underlying networks and their role in information technology. The networking architectures of TCP/IP and OSI are studied as an introduction to the theory of networking. Extensive practical exercises using internetworking devices such as switches and routers, provide the student with LAN design and implementation skills. This unit, in conjunction with Principles of Data Communications, delivers the Cisco CCNA Certification curriculum.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Digital Design (MCC129; was MUL101)

Credit Points: 3

Murdoch: S1-internal

This unit introduces the fundamentals of digital design, providing students with basic skills and literacy in the concepts and processes of visual design. In the labs students will be introduced to digital media formats, production software, blog design and publication and the fundamentals of screen design. The theory workshops will explore the cultural consequences of visual design and its digital production and distribution, providing students with an understanding of issues concerning interactivity, Web 2.0, games, networks and convergence.

Lectures: 1 hour per week; laboratories: 2 hours per week; tutorials: 1 hour per week.

Note: Laboratories/tutorials start in Week 2 of semester and the structure of such will be explained in the introductory lecture in Week 1.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MUL101/MCC129 Introduction to Digital Media may not enrol in this unit for credit.

### Introduction to Drama (EGL106)

Credit Points: 3

Murdoch: S2-internal

This unit introduces students to a selection of dramatic texts from a range of different periods and cultures, and assists students in developing skills in the analysis and critique of these dramatic texts. Students will have an opportunity to participate in transforming a text into a performance through the stages of writing, designing and directing.

Lectures/workshops up to 2.5 hours per week.

Prerequisites: Nil.

### Introduction to Earth Sciences (EXM130)

Credit Points: 3

Murdoch: S1-internal, S1-external

This introductory unit in geology begins by taking a global view of Earth, looking at its origin and dynamic nature. The focus shifts then to processes that operate on or within the crust of the Earth, including earthquakes, volcanism and magmatic processes, weathering and soils, sedimentary processes, deformation and erosion. Mineral and rock identification are included in laboratory sessions. All this is set in the context of plate tectonics -- the unifying theme of modern geology.

Lectures/tutorials: 3 hours per week; laboratories/workshops: up to 3 hours per week.

External: Unit Study Guide and laboratory kit are provided.

Prerequisites: No prior knowledge of geology is required. Knowledge of physical sciences at senior high school level is assumed.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EXM130 Geological Processes may not enrol in this unit for credit.

### Introduction to Economics (BUS161)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
DUBAI-ISC: N2-internal  
KDUPJ: S1K-internal

Economics is a study of how societies can best use and distribute the world's scarce resources to meet human needs and wants. This unit provides a valuable foundation of how economies operate, how businesses and individuals use economics in their decision making, and why governments implement certain economic policies. These include policies on unemployment, inflation, the environment, interest rates and the welfare of society. The unit also covers international issues including poverty, foreign debt, free trade and the global economy.

Lectures: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Nil. This unit assumes no prior knowledge of economics and is a prerequisite for many Part II units in Economics.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### Introduction to Energy Studies (PEC190)

Credit Points: 3

Murdoch: S2-internal, S2-external, Y-external

An introduction to the field of energy studies. Investigate and debate how we currently produce and use energy in our society and some of the economic, technical, social and environmental issues this raises. A different topical energy-related issue is introduced each week, discussing it from different points of view as represented by community, industry and academic leaders who are

actively engaged in addressing the issue. Topics include oil depletion, global warming, wind power, sustainable transport and the hydrogen economy.

Lectures/tutorials: 3 hours per week (internal students only).

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Environmental Science (ENV102)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal

DUBAI-ISC: N1-internal, N2-internal

Environmental science is a problem-oriented, multidisciplinary field that attempts to assess environmental problems scientifically. This unit acquaints the students with the broad principles and methodology of environmental science. The nature of environmental systems and the methods used to learn more about them are introduced. The interrelations between land uses and geomorphology, soils, climate, plant communities, wetlands, rivers and estuaries and their interaction with humans are examined from an integrated, problem-solving perspective.

Lectures: 3 hours per week; laboratories: 20 hours per semester including field work; tutorials for internal students: 4 x 1 hour sessions per semester.

External students should note that this unit has a four day on-campus component. To find out about the lab and tutorial attendance dates students should refer to the Unit Information handout provided during the first week of the teaching period.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Extractive Metallurgy (EXM131)

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit provides an overview of the processes used to extract metals from ores. Mineral processing: crushing, grinding, sizing, concentration, solid-liquid separation, gas cleaning, flow sheets. Pyrometallurgy: fuels, roasting and calcining, smelting of oxides and sulphides, electrometallurgy, refining, material balances, flow sheets. Hydrometallurgy: chemical principles, processing steps and practical considerations, local hydrometallurgical processes, environmental aspects, sustainable resource processing.

Lectures: 3 hours per week; workshops/laboratories: 3 hours per week. External: Unit Study Guide provided. Internet access and compulsory 4-day on-campus laboratory session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: Nil. Knowledge of physical sciences at senior high school level is assumed.

Co-requisite: Internet access if studying externally.

### Introduction to Forensic Science (PEC103)

Credit Points: 3

Murdoch: S2-internal

This unit provides a broad introduction to forensic science and emphasises the multidisciplinary nature of forensics. The scientific disciplines that may be applied to solving crime are introduced and explored using case studies and examples. Forensic science professionals present guest lectures to provide students with a 'real

world' perspective. The unit material is presented in lectures/workshops and weekly reading. Participation in online discussion groups is utilised to provide students with opportunities for active and cooperative learning.

Lectures/ workshops: up to 4 hours per week

Prerequisites: Nil.

Exclusions: Students who have successfully completed PEC235 Forensic Science or PEC435 Introduction to Forensic Science may not enrol in this unit for credit.

### Introduction to Games Art and Design (MCC154)

Credit Points: 3

Murdoch: S2-internal

This unit introduces fundamental games art and design production concepts and processes, providing students with basic knowledge in concept art, game engine evaluation, game play, storyboarding and basic workflow standards. Students are also introduced to games as a wider cultural and philosophical phenomena.

Lectures: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: Nil.

### Introduction to Gender and Cultural Studies (MCC102)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit will introduce students to the key themes and concerns in both gender studies and cultural studies, and the intersections between them. We will critically engage with the changing meanings of gender and culture in the production of knowledge and in our everyday world. The unit will assist students to develop their skills as makers and creators of knowledge about gender and culture.

Lectures: 1 hour per week; tutorials: 2 hours per week. Note: Lectures and tutorials for this unit commence in Week 1 of the semester.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to History (HIS181)

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

Different societies and different groups within a society construct different histories. By analysing these different histories, students are introduced to the historian's craft and to the nature of historical knowledge. Topics include: Ned Kelly; Jandamarra; the Crusades; the Salem Witchcraft Trials; the dropping of the atomic bombs on Japan; the Holocaust as history.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Information Technology (ICT105)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-external

Peel: S2-internal

Rockingham: S1-internal

This unit provides an introduction to computer and information technologies. It investigates the nature and value of information, computer hardware, software and communications technologies and their convergence, human-computer interaction, computer-based information systems, and the impact of



information technology on organisations and society. The theory will be complemented by practical work using the major types of productivity software used in organisations today (for example, word processing, spreadsheet, presentation graphics).

Lectures: 3 hours per week; tutorials: 1 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Journalism (MCC104)

Credit Points: 3

Murdoch: S2-internal

DUBAI-ISC: N1-internal

This unit discusses the professional role of journalists and introduces students to the skills of news gathering and reporting. Students will also be introduced to a range of issues that have a bearing on the professional practice of journalism, including media law, ethics and the culture of news.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Introduction to Legal Studies A (KACo65)

Credit Points: 3

Not available 2011

Students will be introduced to the sources of law, legal methodology and legal materials (especially legislation and case law). The unit is very practical with a number of library exercises.

Workshops: 3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

### Introduction to Legal Studies B (KACo66)

Credit Points: 3

Not available 2011

Students will develop an initial understanding of legal method and analysis in the context of subject matter which may include any or all of: native title, protection of Indigenous heritage, human rights and anti-discrimination law, recognition of Indigenous customary laws. Assessment will evaluate both understanding of the subject matter and understanding of and skill in legal analysis. The unit will also introduce students to legal writing.

Workshops: 3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbari Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

### Introduction to Literature (EGL121)

Credit Points: 3

Murdoch: S1-internal, S1-external

The unit introduces a wide and challenging range of literary texts. Designed to provide an essential foundation for further literary studies, the unit encourages students to explore different ways of reading and interpreting genres: narrative fiction, poetry and drama. This unit should also have wide appeal to enterprising students from other majors who are interested in reflecting on the role and value of literature in society.

Lectures: 1 hour per week; tutorials: up to 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Marine Biology (BIO180)

Credit Points: 3

Murdoch: S2-internal

This unit provides an introduction to marine organisms and ecosystems and thus a framework for further study of marine biology. The main topics covered are: (i) the marine environment; (ii) the types and variety of marine organisms; and (iii) major ecological categories of marine organisms. Students will conduct either a field-based or a literature-based research project.

Lectures: 2 hours per week; laboratories: 3 x 3-hour sessions over the semester; workshops: 4 x 2-hour sessions.

Prerequisites: N103/BIO103 Environmental Biology.

### Introduction to Mental Health (NUR127; was NUR204)

Credit Points: 3

Peel: S2-internal

This unit will address the concept of mental health and the relationship of lifestyle management and health promotion of the individual and the family dynamic and structure. It will explore historical and contemporary issues related to this specialty area and provide an insight into the importance of maintaining and promoting mental health across the lifespan. Theoretical knowledge and learned competencies will be demonstrated and applied during structured clinical practice.

Lectures: 2 hours per week; workshops/laboratories: 2 hours per week.

Prerequisites: NUR110 Introduction to the Nursing Profession - Clinical Placement. Students should note that NUR110 has a prerequisite of NUR100 Introduction to the Nursing Profession.

### Introduction to Mental Health -- Clinical Placement (NUR128; was CHI207/NUR224)

Credit Points: 1

Peel: SUM-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within a mental health setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective student professional performance tool based on ANMC National Competency Standards (2006) for the Registered Nurse.

Clinical Practica: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Prerequisites: NUR127 Introduction to Mental Health. Students who have not completed NUR127 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR127 has prerequisites of NUR100 Introduction to the Nursing Profession and NUR110 Introduction to the Nursing Profession - Clinical Placement.

Co-requisite: Internet access if studying externally.

Students should note that as this placement takes place at the end of the year, students will be enrolled in the units in November 2011.

A result of Ungraded Pass or Fail is awarded for this unit.

### Introduction to Multimedia and the Internet (ICT108)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external  
Rockingham: S2-internal

The focus of this unit is multimedia and its delivery on the Internet. It introduces multimedia as a combination of text, graphics, video, animation and sound for the purposes of information access, storage and dissemination. Topics: the nature of multimedia and types of multimedia objects, Web authoring, multimedia delivery tools, multimedia applications and societal implications of multimedia. Students will have the opportunity to create multimedia applications using HTML/XHTML, CSS, JavaScript, animation, sound and video.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Introduction to Nyungar Culture (AIS177; was KAC177)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Rockingham: S2-internal

This unit provides an overview of Nyungar cultures and life, within the South-West of Western Australia. It will encompass some written and spoken Nyungar language and introduce students to boodjah (country), moort (family) and kadidjiny (knowledge systems), as well as issues and matters related to the contemporary nyungar community.

3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Introduction to Pharmacy (PHA121; was ECU1952)**

Credit Points: 3

Not available 2011

This unit will provide an introduction to the practice of pharmacy in Over-The-Counter pharmacy medicines, establishing initial knowledge of the major OTC groups and the relevant anatomy, establish sound numeracy skills in the area of therapeutic dosing, provide comprehensive S2/S3 training, introduce essential counselling skills -- speaking, listening, body language and specialised communication techniques. Attention to home health care and sports care products, as well as other health professions is covered.

Lectures: 2 hours per week; workshops/tutorials: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Pharmacy.

### **Introduction to Philosophy (PHL130)**

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit is designed to appeal to everyone who is interested in fundamental questions about life and society, and who wants to increase their ability to understand, develop, and articulate reasoned arguments. Typical questions: What is the mind? Is there a God? Do we have free will? Do animals have rights? What moral obligations do we have to people who are starving? Is reason more important than emotion? What is the ultimate nature of reality? Do our lives have meaning?

Lectures/tutorials: up to 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Introduction to Politics (POL133)**

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit provides an introduction to the three core areas of the discipline of political science: concepts and ideologies; comparative political institutions; and international relations. It has two aims: to provide students with an overview of the discipline, and to equip them with the conceptual and theoretical tools to begin analysing contemporary political problems, such as the relationship between security and freedom; the role of international organisations in tackling global issues; and the dynamics underlying globalisation.

Lectures/tutorials: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S133 Introduction to Politics may not enrol in this unit for credit.

### **Introduction to Psychological Health and Wellbeing (PSY172)**

Credit Points: 3

Murdoch: S2-internal

Rockingham: S2-internal

Psychology has an important role in designing systems that make people happy, healthy and productive. This unit will critically examine the concepts of 'health', 'wellbeing' and 'happiness', and will demonstrate how to add quality to people's lives, through research-guided practice and the application of behaviour change principles. Topic areas include: coping with and overcoming psychological pain and stress, addictions and disabilities; in addition to promoting healthier and environmentally sustainable behaviour in the community.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

This unit is strongly recommended as a Psychology elective, especially as an introductory unit towards the Health Psychology minor.

### **Introduction to Psychological Research Methods (PSY173)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit introduces students to methods of research used to answer psychological questions. Students will explore basic approaches to research design and analysis, and issues that affect decision-making in research. The aims in this unit are to provide a foundation for understanding the process of psychological inquiry and to provide students with the knowledge and skills needed to critically evaluate studies in the psychological literature.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: Nil.

### **Introduction to Psychological Science (PSY141)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

The psychological sciences seek to explore and understand the realms of human behaviour, emotion and thought using scientific methods that allow us to pose and answer questions about ourselves and our societies. Do IQ tests really measure intelligence? Why can I see colours? What causes schizophrenia? Why are some people intolerant of others? These and many other questions are

addressed in modern scientific psychology. This unit provides an introduction to the discipline of psychology for students from any discipline.

Lectures/tutorials/seminars: 3 hours per week.

Prerequisites: Nil.

### Introduction to Public Relations (MCC107)

Credit Points: 3

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

This unit draws on communication theory to introduce students to the practice and theory of public relations. It introduces students to the core principles of public relations, its history in Australia, and internationally, and the development of communication strategies and tactics for a range of different publics. It also allows students to begin to develop an understanding of ethical issues, professional values, campaign planning and writing techniques in the field of public relations.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Radio (MCC105)

Credit Points: 3

Murdoch: S1-internal, S2-internal (quota of 80 places)

DUBAI-ISC: N1-internal

This is a practical production unit covering the basic skills required to produce radio programs. Students learn about the development and role of radio in Australia, and acquire proficiency in location recording, digital editing, interviewing, feature reporting and studio presentation.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED117 Introduction to Radio (or MED117 Introduction to Radio and Print Production) may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students in BMedia.

### Introduction to Research for Educators (EDU403)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit introduces participants to a range of research methodologies used in educational and social science research. The unit will examine the application of different interpretive frameworks and the implications for research design, data collection and analyses. Participants will develop critical research literacies by both reviewing and planning research.

3 hours per week.

Prerequisites: Postgraduate students or undergraduate students in their third and fourth year of study or other students by consultation with the Unit Coordinator may enrol in this unit.

Co-requisite: Internet access if studying externally.

Exclusions: Those having completed EDU434/634 Introduction to Qualitative Research Methods or EDU438/638 Introduction to Quantitative Research Methods or E501 Qualitative Research Methods may not enrol in this unit for credit.

### Introduction to Research for Educators (EDU603)

As for EDU403 except:

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD3-internal

KAPLAN-SGP: T1A-internal

Prerequisites: Enrolment in a Postgraduate course.

Co-requisite: Internet access if studying externally.

### Introduction to Sociology (SOC134)

Credit Points: 3

Murdoch: S1-internal, S1-external

To what extent are we products of our social environments? How do gender, class, ethnicity, ideology etc., influence how we think and act? What is power, how is it used, by whom, and for what ends? What methods can we use to study society? Examine Australian society, using research and insights from sociological theories on the nature of social institutions, power and inequality and the possibility of social change. Have your assumptions challenged and your understanding of the world stimulated.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Sound Studies (MCC169)

Credit Points: 3

Murdoch: S2-internal

We are immersed in sound everywhere we go - phones, barking dogs, car alarms, church bells, football crowds, concerts, birds, musak, building sites, traffic. The city and the bush, natural, mechanical and electronic, personal and public. What impact does sound have on our lives? How has technology changed the types of sound we hear and how we use sound in our lives? This unit examines sound in our culture, how it has changed and how it could change in the future.

Lectures: 1 hour; tutorials/workshops: 2 hours.

Prerequisites: Nil.

### Introduction to Statistics (MAS180)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: N2-internal

KDUPJ: S1K-internal

This unit provides an introduction to statistical techniques used to collect, summarise, interpret and present numerical information, with particular emphasis on applications from commerce, economics and the social sciences. The unit aims to show students how statistics contributes to their chosen area of study. Topics: display, estimation and testing, including one- and two-sample tests, frequency tables, and regression. Students are introduced to the use of a spreadsheet package for the analysis of data.

Lectures/tutorials/computer laboratories: 4 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed or are enrolled in either M183/MAS183 Statistical Data Analysis and Databases or M184/MAS184 Biostatistics and Information Retrieval may not enrol in this unit.

**Introduction to Sustainable Development (STP108)**

Credit Points: 3

*Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal*

Introduces the array of economic, environmental, technological, political and moral reforms that are necessary if modern paths of development are to become more sustainable. Topics: issues facing global policy makers such as transport planning, the imperatives of globalisation, the information revolution and renewable energy; local possibilities for more sustainable forms of development from reconciliation with indigenous communities to more participatory forms of decision-making. Learn forms of analysis and discussion that can help transform the ways in which our society operates.

*Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.**Prerequisites: Nil.**Co-requisite: Internet access if studying externally.***Introduction to the Animal Body (ANS102; was VET102)**

Credit Points: 3

*Murdoch: S1-internal*

This unit provides an introduction to the theory and practice of animal biology. It begins with a functional study of each of the major body systems, with reference to the life cycle from conception to death. Following this, the principles of evolution and biological diversity are explored, with emphasis on the gross morphology and functional biology of higher vertebrates. Practical classes complement the lectures and emphasise the importance of detailed observation and dissection in biology.

*Lectures: 3 hours per week; laboratories: 3 hours per week.**Prerequisites: Nil.**Exclusions: Students who enrol in or have completed this unit may not enrol in BMS101 Introduction to the Human Body for credit.**Previously VET102 Introduction to the Animal Body.***Introduction to the Chinese Legal System (LAW317)**

Credit Points: 4

*CITYUHK: S1D-internal*

This unit provides an introduction to the modern legal system of the People's Republic of China. The unit gives an overview of the changing nature and role of law in an emerging modern economy that will soon become the next global economic power. The unit examines the extent to which the PRC's legal system is trying to cope with various challenges in the progress of modernisation.

*Lectures: Taught intensively over 36 hours with final assessments due by end of semester 1.**Prerequisites: Enrolment in the LLB or JD.*

*Enrolment in this program is by application to the program Director. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses. Contact the School of Law for further information.*

**Introduction to the Chinese Legal System (LLM517; was LAW317)****As for LAW317 except:**

Credit Points: 4

*CITYUHK: S1D-internal**Prerequisites: Enrolment in the Postgraduate Certificate in Chinese Law.***Introduction to the Human Body (BMS101)**

Credit Points: 3

*Murdoch: S1-internal*

This unit is designed to introduce students to the living human body. It begins with the evolution and development of humans and proceeds to functional study of each of the major body systems, with reference to the life cycle from conception to death. It will deal with concepts of disease and ageing from an evolutionary perspective. The unit will emphasise how human systems compare with those of other animals, and introduce students to current advances in medical science and technology.

*Lectures: 3 hours per week; practicals/films/workshops: 3 hours per week.**Prerequisites: Nil.**Exclusions: Students who enrol in or have completed this unit may not enrol in ANS102 Introduction to the Animal Body for credit.***Introduction to the Nursing Profession (NUR100)**

Credit Points: 3

*Peel: S1-internal*

This unit will introduce the student to the intricacies of the nursing profession. It will provide a broad overview of historical and current healthcare trends, concepts and principles underpinning and influencing the profession. A number of prerequisite competencies, activities of daily living, communication and essential nursing skills will be introduced that are required by students to provide safe nursing care for clients. These learned competencies will be demonstrated and applied during structured clinical practice.

*Lectures: 2 hours per week; workshop: 2 hours per week.**Prerequisites: Enrolment in Bachelor of Nursing.***Introduction to the Nursing Profession -- Clinical Placement (NUR110)**

Credit Points: 1

*Peel: W-external*

Students will demonstrate learned knowledge, essential nursing skills and competencies within an aged care setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective student professional performance tool based on ANMC competencies.

*Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.**Prerequisites: NUR100 Introduction to the Nursing Profession. Students who have not completed NUR100 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit.**Co-requisite: Internet access if studying externally.**A result of Ungraded Pass or Fail is awarded for this unit.***Introduction to the Practice of Teaching (KAC070)**

Credit Points: 3

*Not available 2011*

This unit looks at the processes of 'learning' and 'teaching' in classrooms. What kinds of things do teachers need to think about, take into account and do when they teach children? Students will visit a school during the semester, shadowing a teacher or Aboriginal educator, and also work with an individual child or small group of children, under guidance. Students are required to keep a record of their school-based observations and to present a final report.

Lectures/seminars: 3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbardi Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

### Introduction to the Screen (MCC116; was MED116)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N1-internal  
KDUPJ: S2K-internal

An introductory unit which lays the groundwork for further analytical and practical units. Its objectives are: to familiarise students with the different ways in which screen texts are studied; to introduce students to concepts of narrative, style and genre in filmic texts; and to introduce students to the basic terminology of visual language.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; film screenings: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MED116 Introduction to Screen and Sound Studies or MCC116 Introduction to Screen and Sound Studies may not enrol in this unit for credit.

### Introduction to Tourism Systems (TOU101)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit outlines the tourism industry with a focus on the structure of tourism systems and the multiplicity of sectors and industries within those systems. Students are introduced to models of tourism, the global dimensions of tourism and regional tourism developments. The unit also provides an introduction to tourism for sustainable development through discussions of the economics of tourism and sociocultural and environmental issues. Tourism policy and planning is also an important topic.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to Travel and Tourism (TOU102)

Credit Points: 3

Murdoch: S2-internal, S2-external

In this unit students will 'experience' the world of travel and tourism through the writings of travellers, through the work of social researchers and through their own travel experiences. The main concern in this unit will be the human dimension of tourism, the motivation to travel, the experience of travel and impacts on host communities. At least one field trip will be an important activity during the semester.

Lectures/tutorials: up to 3 hours per week; plus field trip.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Introduction to University Learning (TLC120)

Credit Points: 3

Murdoch: S1B-internal, S2K-internal, S2K-external, W2-internal, W2-external  
Rockingham: S1B-internal, S2K-internal

This unit aims to prepare students for success at university by developing key theoretical understandings, academic skills, and confidence. The unit focuses on the culture and expectations of university, the nature of knowledge, and understanding yourself as a learner. Essential academic skills are developed, including writing, reading, note-making, referencing, critical thinking, time management and discussion skills. The unit commences in week 3 of semester and runs to week 14, and is based broadly in the social sciences and humanities.

Lectures: 1 hour per week; tutorials: 3 hours per week.

The winter offering is run as an intensive unit with 10 days of contact time over 4 weeks and an exam in the fifth week.

Prerequisites: Nil. Information and enrolment sessions are conducted in the first two weeks of semester: contact the Student Learning Centre for further details.

Co-requisite: Internet access if studying externally.

KATEC students should enrol in TLC020 Introduction to University Learning.

Students enrolled in the Physical and Life Sciences should enrol in TLC123 Rocket Science: Academic Skills for Science Students.

### Introduction to University Learning (TLC020)

As for TLC120 except:

Credit Points: 3

Murdoch: S1B-internal, S2K-internal  
Rockingham: S1B-internal, S2K-internal

Prerequisites: Concurrent enrolment in the Kulbardi Aboriginal Tertiary Entrance Course.

KATEC students hoping to enrol in the Physical and Life Sciences should enrol in TLC023 Rocket Science: Academic Skills for Science Students.

A result of Ungraded Pass or Fail is awarded for this unit.

### Introduction to World Trade Organisation Law (LAW316)

Credit Points: 4

Murdoch: S2-internal

The rules of the World Trade Organization (WTO) Agreements underpin the conduct of international trade law in over 140 countries. Because Australia is closely linked to the global trade network, this is an important area for lawyers looking to practice in the international arena. This unit will provide an overview of the WTO multilateral trading system, and how the rules impact on governments, businesses and individuals in the context of global policy-making and diplomacy.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

### Introductory Chinese (BUS102; was BUS232)

Credit Points: 3

Murdoch: S2-internal, S2-external

The unit is designed to provide students with elementary instruction in vocabulary, grammar and pronunciation in Modern Standard Chinese, Mandarin, to enable them to participate in basic everyday discourse in Chinese. By the end of the semester, students should be able to read and write about 350 characters.

Lectures/tutorials: 4 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have language competence in Chinese may not enrol in this unit for credit.



**Investigative Reporting (MCC301; was JOU301)**

Credit Points: 4

Murdoch: S2-internal

Students pursue one topic of investigation during the semester. They conduct background research, draw up a plan of investigation and frequently reflect on the project process during the course of the unit. They consider the differences between investigative and explanatory reporting. Students identify the topics for investigation, however some emphasis will be placed on environmental reporting. The main assessment component is the final investigative/explanatory story that may be produced in either written or broadcast formats.

Workshops: 2 hours per week.

Prerequisites: MCC104 Introduction to Journalism and MCC245 Media Law and Ethics; OR JOU220 Principles of Journalism.

Exclusions: Students who have successfully completed JOU301/501 Specialty Journalism or MCC301/501/601 Specialty Journalism may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Investigative Reporting (MCC601; was JOU501)**

**As for MCC301 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in Postgraduate Diploma in Journalism.

**Investment Analysis (BUS311)**

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

SGP1: T2B-internal

The main objective of this unit is to examine the return-risk profile of an individual security and the construction of optimal investment portfolios. The unit will examine the mean-variance portfolio theory, simplification to the portfolio selection process, efficient market hypothesis, capital asset pricing model, and empirical tests of equilibrium models. In addition, arbitrage pricing models, technical analysis and portfolio performance will be examined.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS224 Corporate Finance.

**IP Telephony (ICT344)**

Credit Points: 4

Murdoch: S2-internal

The unit focuses on the principles and design of Voice over IP (VoIP) telephony systems. Topics include: legacy circuit-based switching, integration of VoIP and legacy PBX systems, voice codec performance and selection, dial planning and quality of service requirements.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT120 Principles of Data Communications.

**IP Telephony (ICT644; was ICT544)**

**As for ICT344 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: ICT535 Advanced Business Data Communications.

**Islam, Terror and Multiculturalism in Australia (SOC212)**

Credit Points: 4

Not available 2011

This unit explores debates about the viability of multiculturalism in Australia, and its relationship to religious fundamentalism and terrorism. The interdisciplinary unit covers the history, principles, beliefs and practices of Islam, the relationship between Islam and Christianity, analyses of media representations of Islam and terrorism, the psychology of suicide bombers, the politics of democracy and theocracy, multiculturalism, and sociological analyses of power, difference and religious belief. It features guest lectures from academics and professionals in a number of different fields.

Lecture/workshop: 3 hours.

Prerequisites: Nil.

**Issues and Crisis Management (MCC345; was MSC345)**

Credit Points: 4

Murdoch: S1-internal

KDUPJ: S1K-internal

SGP1: T2B-internal

This unit explores the theory and practice of issues and crisis management in public relations. It provides some important principles for communicating in a conflict or crisis situation, and offers a critical understanding of stakeholder engagement. In addition to learning about communication and conflict from a critical perspective, students have the opportunity to develop negotiation, mediation and conflict resolution skills through workshops and role play.

Lectures: 1 hour per week; tutorials 1.5 hours per week; workshops: 2 hours per week for 3 weeks.

Prerequisites: MCC204 Public Relations: Contemporary Approaches (or MCC204 Public Relations: Theory and Writing or MSC235 Public Relations: Principles and Writing Practice).

Exclusions: Students who have successfully completed MSC345 or MCC345 Communication and Conflict Management may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Issues and Crisis Management (MCC645; was MSC545)**

**As for MCC345 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours or Postgraduate course.

Exclusions: Students who have successfully completed MSC345/MCC345/MS545/MCC645 Communication and Conflict Management may not enrol in this unit for credit.

**Issues in Language Education (EDU404)**

Credit Points: 4

Murdoch: S1-external, S2-external

This unit explores issues associated with the teaching and learning of linguistic code contextualised within notions and practices of interculturality, of culture and identity, and of language and literacy. The first part of the unit focuses on language and culture (with particular attention to English as a global language), whilst the second part looks more closely at language and literacy, and at

moving learners beyond conversational fluency in an additional language.

Online, no attendance required.

Prerequisites: Enrolment in a Graduate Certificate or Graduate Diploma or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Issues in Language Education (EDU604)

As for EDU404 except:

Credit Points: 4

Murdoch: S1-external, S2-external

Prerequisites: Enrolment in a postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Issues in Screen Analysis (MCC358; was MED350)

Credit Points: 4

Not available 2011

This is an interdisciplinary unit supporting such related fields as media, indigenous studies, politics, development studies, anthropology, literature, sociology, history and cultural studies. It offers a diagnostic of possible shortcomings of Western thinking on notions of nations, social organisation, politics and art. Topics: representation of indigenous people, spirituality and religion in film, participation and control of production, films as legal texts, the cinema of difficult dialogue and the inter-sectionality of race and gender in cinema.

Lectures: 1 hour per week; screenings: 2 hours per week; tutorials 1.5 hours per week.

Note: Lectures and tutorials for this unit commence in Week 1 of the semester.

Prerequisites: AIS180 Introduction to Australian Indigenous Studies AND/OR MCC116 Introduction to the Screen (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies).

Exclusions: Students who have successfully completed MCC358 Issues in Screen and Sound: World Cinema (or MED350 Issues in Screen and Sound: World Cinema or MED350 Issues in Screen Analysis: World Cinema or MED350 Issues in Screen Analysis: Indigenous Cinema) may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Issues in Screen Analysis (MCC658; was MED550)

As for MCC358 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MED550 Issues in Screen and Sound: World Cinema may not enrol in this unit for credit.

### IT Professional Practice (ICT521; was ICT421)

Credit Points: 4

Murdoch: S1-internal

This unit focuses on current expected professional practice in the information technology (IT) industry, and the legal and ethical challenges raised by new technologies. Topics include: best practice strategies, professional standards and codes of practice; etiquette and modes of communication; professional presentations; technical writing; legal requirements and responsibilities, including privacy

issues; copyright and intellectual property issues; employment and contract law; and principles of human resource management.

Lectures/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate IT course or permission of the Academic Chair.

### Japan in the World: Nation, Culture, Image (JPN208)

Credit Points: 4

Not available 2011

Throughout the twentieth century Japan has figured prominently in academic, journalistic and popular discourses in the world in highly evocative and contradictory ways. This unit aims to shed light on how Japan comes to be 'known' in the world, and how it seeks to represent itself, to itself and others. The unit will focus on: imagining, discovering and inventing Japan; cultural practices and representations in terms of conformity/diversity, gender, 'the popular'; nexus between texts and construction of culturally-specific images.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil. This unit presupposes no knowledge of the Japanese language. Highly recommended: H142/JPN142 Introduction to Contemporary Japan and H214/JPN214 Contemporary Issues in Japan.

### Japan in the World: Nation, Culture, Image (JPN608)

As for JPN208 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Japanese IA (JPN171)

Credit Points: 3

Murdoch: S1-internal

This unit introduces basic communication skills in Japanese. Great emphasis is placed on oral communication while working interactively in classroom sessions. The unit deals with many topics related to students' everyday life.

Language classes: 4 hours per week for S1 offering.

Prerequisites: Nil.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

### Japanese IB (JPN172)

Credit Points: 6

Murdoch: S2-internal

This unit aims to develop further communication skills in both spoken and written Japanese as a continuation of JPN171 Japanese IA. The material covered ranges over a diverse selection of topics with practical application for anyone considering contact with Japan, and uses the communication-oriented oral/aural approach. This unit aims to give students competence in both spoken and written Japanese at the basic level.

Language classes: 6 hours per week (hours may be adapted to class size).

Prerequisites: JPN171 Japanese IA.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

**Japanese IIA (JPN204)**

Credit Points: 4

Murdoch: S1-internal

This unit aims to develop further communication skills in both spoken and written Japanese as a continuation of Japanese IB. The material covered ranges over a diverse selection of topics to help students develop proficiency in the four language skills of listening, speaking, reading and writing, as well as in developing cultural awareness. A communication-oriented oral/aural approach will be adopted.

Language classes: 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN172 Japanese IB.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

**Japanese IIB (JPN205)**

Credit Points: 4

Murdoch: S2-internal

This unit aims to develop further communication skills in both spoken and written Japanese as a continuation of Japanese IIA. The material covered ranges over a diverse selection of topics to help students develop proficiency in the four language skills of listening, speaking, reading and writing, as well as in developing cultural awareness. A communication-oriented oral/aural approach will be adopted.

Language classes: 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN204 Japanese IIA.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

**Japanese IIIA (JPN363)**

Credit Points: 4

Murdoch: S1-internal

This unit aims to develop advanced language skills, both written and spoken, to enable students to function with ease in Japanese. The target level of proficiency is the reading of Japanese newspapers, and ability to present spoken and written expressions of opinion about contemporary Japan.

Language classes: 3 to 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN205 Japanese IIB.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry.

**Japanese IIIB (JPN364)**

Credit Points: 4

Murdoch: S2-internal

This unit aims to develop advanced language skills, both written and spoken, to enable students to function with ease in Japanese. The target level of proficiency is the reading of Japanese newspapers, and ability to present spoken and written expressions of opinion about contemporary Japan.

Language classes: 3 to 4 hours per week (hours may be adapted to class size).

Prerequisites: JPN363 Japanese IIIA.

Advanced students including those who have WACE qualification in Japanese as Second Language or equivalent should consult with the Academic Chair of Asian Studies to determine level of entry. Prior to 2007 this unit was coded JPN363.

**Japanese Language Project (JPN452)**

Credit Points: 4

Not available 2011

This unit is designed primarily for students who have completed JPN343 Semester in Asia -- Japan (S1+S2), and aims to build on language skills acquired during in-country study. It focuses on advanced reading and/or translation and other skills. Students will study some issues relevant to translation as well as doing practical work in reading, translation and other skills using a range of contemporary materials.

2 to 3 hours per week or by negotiation.

Prerequisites: H3433/JPN343 Semester in Asia -- Japan (S1+S2).

Permission to enrol may also be granted by the Unit Coordinator to background speakers of Japanese and, under certain circumstances, to other students.

**Japanese Language Project (JPN652; was JPN552)****As for JPN452 except:**

Credit Points: 4

Not available 2011

**Jesus and the Gospels (THE287)**

Credit Points: 4

Murdoch: S1-internal, S1-external

A study of the canonical gospels (Matthew, Mark, Luke, John) and their inter-relationships, with particular attention to one gospel, its structure, context themes, and detailed exegesis of selected passages. There will be opportunity for use of Greek for students who have completed New Testament Greek I and II. (2011: John's Gospel)

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Recommended: S102/THE102 The New Testament and its World.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S247 Synoptic Gospels, S247 Matthew, Mark and Luke, S251 Johannine Literature or S251 John's Gospel and Related Writings may not enrol in this unit for credit except with the permission of the Academic Chair.

**Journalism Project (MCC549; was JOU449/JOU549)**

Credit Points: 8

Murdoch: W-internal

This unit allows students to do one or more professional placements with different media organisations. Students will be required to produce editorial work under supervision at the workplace and write reflective journals/reports analysing their experiences.

Lectures/workshops: regular briefing sessions and workshops.

Prerequisites: Enrolment in Postgraduate Diploma in Journalism.

A result of Ungraded Pass or Fail is awarded for this unit.

**Journalism Project (MCC5491; was JOU5491)****As for MCC549 except:**

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in Postgraduate Diploma in Journalism or

Postgraduate Certificate in Journalism.

A result of Ungraded Pass or Fail is awarded for this unit.

### Knowing Nature (FDN103)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Ways of knowing nature vary across different cultures and are both responsive to and influence societies. This unit focuses on nature in the Australian context. Drawing on the perspectives of the environmental and social sciences and humanities, Knowing Nature explores practical, theoretical and ethical questions about knowledge, nature, science and society.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Knowledge and Information Security (ICT265)

Credit Points: 4

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

This unit focuses on knowledge and information security from both an operational and a theoretical perspective. It explores the issues involved in ensuring the confidentiality, integrity and availability of knowledge and information assets from the perspective of human physical, computer, telecommunications, and Internet security. Topics include: risks to information and countermeasures; access control; security management; establishing trust; personnel security; security planning; disaster recovery and ensuring continuity; auditing and monitoring; security education, training and awareness strategies; and legal and societal issues.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Knowledge and Information Security (ICT565)

As for ICT265 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an honours or postgraduate level course

Co-requisite: Internet access if studying externally.

### Knowledge and Organisational Learning (BUS378)

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

KAPLAN-SGP: T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

The management of information and knowledge and its role in organisations are widely recognised as important elements contributing to international competitiveness in the new economy. This unit examines how the concepts of information and knowledge assist in the understanding of organisational processes, organisational learning and strategy. Topics examined include: the origins and future of knowledge management; knowledge management and concepts; knowledge and organisational strategy; knowledge, IT and organisational systems; knowledge and learning in organisations; knowledge, innovation and value creation.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: BUS145 Principles of Management.

### Knowledge Management (NUR647)

Credit Points: 4

Murdoch: S1-internal, S1-external

The unit will focus on knowledge management and the subsystems required. Building a culture that values information will also be explored. The unit will be of particular interest to specialist ICT staff to provide them with a better understanding of the quality and safety agenda and how information systems are a vital component of this agenda.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### Knowledge Management Techniques (ICT256)

Credit Points: 4

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal

Knowledge Management involves extending traditional information management practices to enable the entire intellectual resources of an organisation to be available, in a repeatable, scalable and transferable manner. In this unit we consider the techniques that underpin KM. Topics include: theories of knowledge, the nature of documents and document management, knowledge elicitation, knowledge representation techniques including ontologies, knowledge discovery, and knowledge life cycles within an organisational context. The theoretical component is complemented by practical work using standard industry knowledge modelling tools.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT107 Principles of Information Systems.

Co-requisite: Internet access if studying externally.

### Knowledge Management Techniques (ICT556)

As for ICT256 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a postgraduate IT course.

Co-requisite: Internet access if studying externally.

### Koora Kudidj Pre-Law (EQU025)

Murdoch: SB3-internal

Offers Indigenous people alternative entrance and a chance of succeeding in Law or Legal Studies. Components:

Study skills: how to draw on library resources, think critically and creatively about law, and present ideas in reflective, formal and oral ways.

Personal experience: consider the role of law in your own life, culture and community, and in the lives of others.

Theory and practice: explore key ideas and state-of-the-art practices to prepare you for law in this century.

Small group workshops, tutorials and lectures from Murdoch staff.

Contact times will vary - contact Unit Coordinator for further information.

Prerequisites: Nil. This unit is available to Indigenous students only.

### Koort Mooditj (Strong Heart): Pre-Nursing for Indigenous Students (EQU028)

Not available 2011

This is an intensive four-week unit for students enrolled in the Koort Mooditj Pre-nursing course. Students will develop strategies and techniques to handle the pressures and routines of Nursing Studies.

There will be an emphasis on university study skills, including nursing research and writing skills. Teaching activities will include nursing knowledge, communication skills, science knowledge, problem solving and health mathematics. Daily teaching focus will be on small group tutorials and clinical and science labs.

Contact time: 5.5 hours per day for 4 weeks.

Prerequisites: Enrolment in Koort Mooditj (Strong heart) Pre-Nursing for Indigenous Students course.

### **Kulbardi Wangkiny Pre-Media (EQUo26)**

Murdoch: SB3-internal

Prepares and assesses Aboriginal and Torres Strait Islander students for admission to School of Media Communication and Culture courses. Develop strategies and techniques to prepare for university study.

Study skills: how to draw on library resources, think critically and creatively, meet deadlines, and present ideas in reflective, formal and oral ways.

Personal experience: gain exposure to the various means of communication.

Theory and practice: explore key ideas and learn the functional production skills in TV, radio, print and multimedia.

Small group workshops, tutorials and lectures from Murdoch staff and media professionals.

Prerequisites: Nil. This unit is available to Indigenous students only.

### **Laboratory Diagnosis (CHI2643)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

### **Land Management (ENV310)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Develop an understanding of the Australian landscape as it relates to sustainable land use in a variety of contexts from primary industries to the mining sector. Focusing on the soils and landscapes of south-western Australia, examines the causes of land degradation including wind and water erosion, salinisation, waterlogging and acidification; evaluates the condition and capability of land; and the appropriate management techniques, including catchment management. Discuss steps for rehabilitation of land, including revegetation after mining, to achieve sustainable ecosystems.

Lectures: 2 hours per week; practical work: equivalent to 3 hours per week. All practical work for both internal and external students will be undertaken during the non-teaching week of Semester 1. As part of the practical work, students are required to participate in a 1-day field study. External students should note that this unit has a compulsory week-long on-campus component.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: ENV268 Ecology and ENV281 Water and Earth Science, or enrolment in a postgraduate course from the School of Environmental Science.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Land Management (ENV610; was ENV510)**

As for ENV310 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

### **Language for Learning and Teaching (EDN111)**

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

Develop understandings of concepts about language and literacy learning essential for teachers in all school settings. This unit aims to equip students with fundamental skills needed to support language development in their own classrooms by focusing on oral language development, the formal characteristics of written texts including grammar, and the use of language for positive classroom interactions and literacy learning. Concepts presented will be further explored in EDN112 Understanding Teachers' Work and EDN223 Teaching English and Literacy in Primary Schools.

Lectures/workshops: 3 hours per week.

Rockingham students should note that EDN111 at Rockingham is taught in a combined lecture/workshop format. Rockingham students should enrol in one three-hour workshop. There is no additional lecture.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU103 Principles of Language and Literacy may not enrol in this unit for credit.

### **Law for Business (MBS502)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

This unit introduces students to legal concepts that they may encounter as managers. Topics include the role of law in Australia, the law of contract and its application to employment law. Special topics of relevance will also be covered.

Lectures/seminars/workshops: 3 hours per week for semester 1 and 2.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

Exclusions: C328/BUS328 Company Law, C502/MBS502 Business Law, C502/MBS502 Business and Employment Law.

### **Law in China: Continuity and Change (LAW257)**

Credit Points: 4

Murdoch: S1-internal

This unit offers unique insight into Chinese law's past, present and future by examining its historical and cultural background. By providing non-fragmented images of China so crucial to a good understanding of Chinese law but hardly available to most people, it addresses the reasons for China's current rapid transition by referring to China's long history and the legal and institutional changes before and after Mao. Topics include latest debates on constitutional, criminal and commercial law reforms.

Lectures: 3 hours per week.

Prerequisites: Nil.

**Law Moot (LAW312)**

Credit Points: 4

Murdoch: H-internal (quota of 40 places), S1-internal (quota of 40 places), S2-internal (quota of 40 places)

The Law Moot unit provides students with the opportunity to study specialised areas of the law and to apply their knowledge and advocacy skills by participating in selected national and international mootings competitions, for example, the International Maritime Arbitration Moot, the Jessup International Law Moot, the John Marshall International Technology and Privacy Law Moot, and the Stetson Environmental Law Moot. The unit aims to develop the writing and advocacy skills of participating students.

Meetings as required.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, plus permission of Unit Coordinator.

Recommended that students complete or are enrolled in the necessary background unit required for each mootings competition.

Students may not enrol in more than one moot at the same time except by permission of the Unit Coordinator and Academic Chair for Law.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mootings ability; Demonstrated administrative experience; Demonstrated knowledge of foreign languages and legal systems.

**Law of Corporate Finance (LAW362)**

Credit Points: 4

Murdoch: S2-internal

This unit examines the law relating to securities over real and personal property as it applies in Australia. Topics: secured transactions compared with unsecured transactions; consumer credit transactions; pledges; liens; mortgages of real property and chattels; equitable charge, notably the floating charge; security on intangible collateral; and priorities: the general position, the position under the Chattel Securities Act and under the Corporations Act; reform along the lines of Article 9 of the Uniform Commercial Code (US).

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

**Law of Occupational Health and Safety (LAW372; was LAW372/LAW378)**

Credit Points: 4

Murdoch: AW2-internal

Safety is said to be paramount in workplaces of today. This unit centres on managing foreseeable risks and places the primary duty of care on employers. Breach of this duty may constitute a criminal offence and impose liability not just on the employer, but extend it to its 'officers'. This unit will examine the current statutory regime, as well as any pending changes to relevant legislation.

This unit is to be taught as a four-week intensive with contact time in an initial one-week teaching block.

Prerequisites: All Part I Law units; LAW260 Contract.

**Law of Planning (LAW367)**

Credit Points: 4

Not available 2011

This unit introduces the legal principles and statutory framework governing the regulation of town planning and land development

in WA and beyond. It considers control at the State, regional and local government levels, rights of appeal against subdivision, development and building decisions, the jurisdiction of the State Administrative Tribunal in resolving disputes, the role of environmental assessment and approval in planning outcomes and compensation for the use and acquisition of land for public purposes.

Taught intensively over one week: refer to the teaching timetable for details.

Prerequisites: L150/LAW150 Australian Legal System, L120/LAW120 Research and Writing, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract. Non-Law students with a background in Planning may enrol with the permission of the Unit Coordinator and LLB Academic Chair.

**Law Review (LAW313)**

Credit Points: 4

Murdoch: H-internal (quota of 20 places), Y-internal (quota of 20 places)

Provides an opportunity to learn to edit legal journals, e.g. the E-Law Journal and the International Trade and Business Law Review. These journals publish leading articles, case-notes and comments, as well as book reviews dealing with a wide range of local issues including international trade and business law, domestic law, comparative law and international law. Aim: to contribute in a scholarly way to the discussion of recent legal developments and to provide up-to-date information to the legal and business communities.

No formal contact hours but regular meetings with the Unit Coordinator.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, plus permission of Unit Coordinator.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mootings ability; Demonstrated administrative experience; Demonstrated knowledge of foreign languages and legal systems.

**Law, Justice and Social Policy (LEG100)**

Credit Points: 3

Murdoch: S2-internal

This unit introduces students to the role of law in promoting justice and in creating and implementing social policy. Topics: defining law and justice, the interaction of law and social policy, the functioning of the criminal justice system, the impact of police, welfare and the court system on youth, Aboriginal social justice, gender and the law, and public interest in matters such as the regulation of the environment.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Exclusions: LLB or Juris Doctor students may not enrol in this unit for credit.

**Leadership and the Gender Perspective in Health Care (NUR646)**

Credit Points: 4

Not available 2011

The unit will explore the gender challenges for future leaders in health and aged care, with a special focus on transitioning from clinician to manager and how to succeed in an industry which is marked by professional silos. Strategies, tools and techniques to equip future managers will be offered. Access to specialists in this area will also be provided.

Lectures: 2 hours per week; tutorials: 2 hours per week

Prerequisites: Enrolment in a postgraduate course.

### Learning and Assessment Processes (EDN245; was EDU245)

Credit Points: 3

Murdoch: Y-internal, Y-external

This unit focuses on learning and assessment processes in education at the primary and secondary levels. It addresses theories of learning and development relevant to education and concentrates on the classroom implications and applications of theory and research in educational psychology. The unit also addresses the principles, methods and processes of assessment and evaluation as an integral part of the teaching-learning process.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Graduate Diploma in Education (Primary), Bachelor of Education (Primary) (Graduate), or Graduate Diploma in Education (Secondary); successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/E101/EDU1011/E1011 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed E241/EDU241 Processes of Learning or E244 Educational Assessment and Evaluation or E244/EDU244 Processes of Assessment or EDU242 Learning and Assessment: Theory and Practice may not enrol in this unit for credit.

### Learning and Communicating in Business (TLC222)

Credit Points: 4

Murdoch: S1-internal

Rockingham: S1-external

This unit seeks to build on existing learning and communication skills to enable more effective study at university. Aimed particularly at students articulating into second year business-related courses or any business-related pathway, it builds and refines the communication, critical thinking and study skills necessary at university level. The unit encourages a deeper understanding of university culture and business culture, and builds confidence and ability in essay writing, referencing, report writing, presentations and group work.

Lectures: 1 hour streamed using Lectopia; workshops/seminars/tutorials: two hours face-to-face.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed a Foundation Unit are precluded from enrolling in this unit without special approval of the Academic Chair.

All students will access lectures via Lectopia.

### Learning and Teaching in Educational Communities (EDN300; was EDU300)

Credit Points: 4

Murdoch: AU4-external

Rockingham: AU4-external

Students will have the opportunity to experience a reciprocal learning environment within a school or community education placement. The preservice teachers will provide a service to the community while at the same time being mentored by a teacher or site based educator. Students undertake a project related to the particular environment in which they are placed whether it be a school or community organisation. The project will be developed in conjunction with the mentor teacher or supervisor and the university.

Seminar (2 hours) prior to the placement and regular seminars are negotiated by the school, community educator provider, and Murdoch University during the placement. Half to 2 days a week for a minimum of 15 days in the school or community education placement.

Prerequisites: Approval of the Unit Coordinator.

Co-requisite: Concurrent enrolment or completion of EDU285 Primary Curriculum III (Mathematics).

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU3153 School Experience: Primary BEd may not enrol in this unit.

Successful completion of this unit will be accepted in lieu of EDU3153.

This unit is subject to quota.

A result of Ungraded Pass or Fail is awarded for this unit.

### Learning and Teaching in Educational Communities (EDN3001; was EDU3001)

As for EDN300 except:

Credit Points: 2

Not available 2011

Seminar (2 hours) prior to the placement and regular seminars are negotiated by the school, community educator provider, and Murdoch University during the placement. Half to 2 days a week for a minimum of 10 days in the school or community education placement.

Prerequisites: Approval of the Unit Coordinator.

Co-requisite: Concurrent enrolment or completion of EDU286 Primary Curriculum IV (Society and Environment, Science).

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU3154 School Experience: Primary BEd may not enrol in EDU3001 School Experience: Learning and Teaching in Educational Communities.

Successful completion of EDU3001 will be accepted in lieu of EDU3154.

This unit is subject to quota.

A result of Ungraded Pass or Fail is awarded for this unit.

### Learning and Teaching with ICT (EDU417)

Credit Points: 4

Murdoch: S2-external

This unit focuses on practical and theoretical issues related to the use of information and communications technology (ICT) across the curriculum in primary, secondary and postsecondary education. You will critically evaluate the major ethical, social, political and practical issues associated with the use of ICT in schools and other educational settings including online teaching.

External: No attendance required. On-campus meetings will usually be available.

Prerequisites: At least one unit concerned with ICT and Education at the initial teacher education level or above, or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed E505 Computers and Education or F417/EDU417/F617/EDU617 Information Technology: Learning and Teaching may not enrol in this unit for credit.

### Learning and Teaching with ICT (EDU617)

**As for EDU417 except:**

Credit Points: 4

Murdoch: S2-external

DUBAI-ISC: TD1-internal

KAPLAN-SGP: T2A-internal

Prerequisites: Enrolment in a postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Learning through the Arts (EDN260; was EDU260/EDU360)

Credit Points: 4

Murdoch: S1-internal, S1-external, SB6-internal (quota of 40 places)

Rockingham: S1-internal

Focuses on how the arts shape and express experience and their potential for learning. Consider the arts as ways of knowing and making meaning. Explore how the arts, creativity and culture help us know what it means to be human, focusing on your own play and story, creativity, imagination, transformation, improvisation and aesthetic understanding. Develop arts literacy and your capacity to engage with, reflect on and make informed judgements about the arts.

Internal: Lectures: 1 hour per week; workshops: 3 hours per week.

External: Lectopia lectures 1 hour per week plus a self-devised study program equivalent to 3 hours per week.

All students will need to access Lectopia and LMS during this unit, to submit work electronically and create digital portfolios/assignments. Students enrolled in the SB6 summer offering are required to complete an on-campus component. Dates to be advised on the School of Education web site.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed E360/EDU360/EDU3601 Learning Through the Arts may not enrol in this unit for credit.

External mode students are required to complete practical arts-based projects and portfolios. Internal mode students are required to complete practical arts-based performance projects.

This unit is subject to quota. Preference for enrolment given to Education students with non-Education students to seek permission of Unit Coordinator for enrolment.

### Learning, Teaching and Assessment 1 (EDN221)

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

Along with EDN222 Learning, Teaching and Assessment 2, this unit addresses learning, teaching and assessment across all levels of education. It addresses the psychological and educational bases of major theories of learning, motivation and engagement, aspects of affective and social development, and their implications for educational practice. It also addresses the principles, functions and methods of assessment and evaluation as integral parts of the teaching-learning process, including assessment for decision-making and monitoring standards and progress of education.

Lectures/workshops: 3 hours per week.

Prerequisites: Successful completion of EDN111 Language for Learning and Teaching; EDN112/EDN1121 Understanding Teachers' Work; OR

successful completion of EDU101/1011.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU242 or EDU245 may not enrol in this unit for credit.

### Learning, Teaching and Assessment 2 (EDN222)

Credit Points: 3

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

Along with EDN221 Learning, Teaching and Assessment 1, this unit addresses learning, teaching and assessment across all levels of education. Address the psychological and educational bases of major theories of learning, motivation and engagement, aspects of affective and social development, and their implications for educational practice. Address the principles, functions and methods of assessment and evaluation as integral parts of the teaching-learning process, including use of assessment for diagnostic purposes and for monitoring the standards and progress of education.

Lectures/workshops: 3 hours per week.

Prerequisites: Successful completion of EDN221 Learning, Teaching and Assessment 1; Successful completion of (EDN111 Language for Learning and Teaching AND EDN112/EDN1121 Understanding Teachers' Work) OR EDU101/1011 Introduction to Teaching.

Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU242 Learning and Assessment: Theory and Practice or EDU245 Learning and Assessment Processes may not enrol in this unit for credit.

### Legal Protection of International Human Rights (LAW337)

Credit Points: 4

Murdoch: S1-internal

GENEVA: S2G-internal

Topics: fundamental human rights standards as recognised in international law; evolution and content of human rights; how these standards are enforced through international and regional mechanisms, including ASEAN, the Council of Europe and the African Union; the human rights problems facing many segments of the population that are especially prominent in Asia-Pacific, such as those involving the rights of women, children, minorities and indigenous peoples.

Lectures: 3 hours per week. In relation to the SP8 enrolment option for this unit, students will have about 10 hours of lectures per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L258/LAW258 Australian Administrative Law, L259/LAW259 Constitutional Law.

The SP8 enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application, and applications require payment of non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

### Legal Theory (LAW301)

Credit Points: 4

Murdoch: S1-internal

IMACERATA: S2G-internal

This unit will trace the classical origins of the rule of law, survey the historical events that influenced the development of theories of law,



and evaluate the contributions of legal theorists. Topics will include natural law, legal positivism, evolutionary legal theories, Marxist legal theory, legal realism, critical legal studies, feminist jurisprudence and economic legal theory. This unit aims to provide students with an understanding of jurisprudence and equip students with knowledge of the historical context in which law has developed.

*Lectures: 4 hours per week.*

*Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.*

*Exclusions: Students who have successfully completed LAW366/L366 Jurisprudence cannot enrol in this unit for credit.*

### **Life and Literature of Ancient Israel (THE100)**

*Credit Points: 3*

*Murdoch: S1-internal, S1-external*

This unit provides an introduction to the varied literature of the Old Testament. It will give an overview of the contents and major themes of the literature, together with aspects of historical and cultural setting within the Ancient Near East. Throughout the unit, students will be introduced to methods and issues in modern study of the Old Testament, and to available resources.

*Lectures/seminars/tutorials: 3 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Life, Death and Meaning (PHL277)**

*Credit Points: 4*

*Not available 2011*

Questions of meaning and how we fit into the world often seem empty and outdated. Science and technology provide the dominant framework for thinking about who we are and what matters in life. Material possessions seem to be the only measure of life's success. Is it possible to speak of the meaning of life? Is the ancient concern with the soul meaningful to us? How can we think about death? What is the connection between responsibility and a meaningful life?

*Lectures: 1 hour per week; tutorials: 1.5 hours per week.*

*Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.*

*Normally available every second year.*

### **Life, Death and Meaning (PHL477)**

**As for PHL277 except:**

*Credit Points: 4*

*Not available 2011*

*Prerequisites: Enrolment in an Honours or Postgraduate-level course.*

### **Literacies and Numeracy for Inclusive Education (EDN423)**

*Credit Points: 4*

*Not available 2011*

This unit aims to prepare students for the teaching of literacy and numeracy to children with additional needs. It will build on the understandings, knowledge and skills developed in the English and Mathematics curriculum units and the Inclusive Education units.

*Prerequisites: Enrolment in a Teacher Education Course and successful completion of EDN223 Teaching English and Literacy in Primary Schools and EDN333 Teaching Mathematics and Numeracy in Primary Schools.*

*Students enrolled in the Inclusive Education Minor will be given preference.*

### **Literacies and Numeracy in Early Years (EDN421)**

*Credit Points: 4*

*Not available 2011*

This unit aims to prepare students for the teaching of literacy and numeracy in the early years K-3. It will build on the understandings, knowledge and skills developed in the English and Mathematics curriculum units and in the Early Childhood units.

*Prerequisites: Enrolment in a Teacher Education Course and successful completion of EDN223 Teaching English and Literacy in Primary Schools and EDN333 Teaching Mathematics and Numeracy in Primary Schools. Students enrolled in the Early Childhood and Primary degree will be given preference.*

### **Literary Journalism (EGL234)**

*Credit Points: 4*

*Murdoch: S1-internal*

Literary journalism combines the finest traditions of print journalism and creative writing, using fictional techniques in the telling of factual stories. Students will explore the theory and history of literary journalism. They will also be required to produce a piece of literary journalism.

*Workshops: Up to 2.5 hours per week.*

*Prerequisites: MCC104 Introduction to Journalism OR JOU220 Principles of Journalism OR EGL122 Creative Writing: Text and Practice I OR EGL269 Creative Writing: Text and Practice II.*

*Exclusions: Students who have successfully completed JOU225/JOU425/MCC234/MCC534 Literary Journalism may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.*

### **Literary Journalism (EGL534)**

**As for EGL234 except:**

*Credit Points: 4*

*Murdoch: S1-internal*

*Prerequisites: Enrolment in Postgraduate Certificate in Journalism or Postgraduate Diploma in Journalism.*

### **Literary Theory (EGL354)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit introduces students to a range of contemporary theoretical approaches to the study of literature, with a particular emphasis on postmodernism, post-structuralism and postcolonialism. An understanding of literary theory is developed through critical readings of several works of literature, including a number of contemporary texts.

*Seminars: 2 hours per week.*

*Prerequisites: Nil.*

*Exclusions: Students who have successfully completed H289/H426 Literary Theory II may not enrol in this unit for credit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

**Literary Theory (EGL554)****As for EGL354 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Literature in an Age of Terror (EGL224)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit explores a range of literary forms, including fiction, song, political protest, speechwriting, performance and film, to question how an 'age of terror' comes to be understood as such, and to consider the role literature might play in challenging received ideas and generating new ways of thinking about 'terror'. Particular attention will be paid to the role of readers and the ways texts engage them to reflect on their own understanding of or attempt to escape from terror.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Living and Learning with Technology (EDN113)**

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit focuses on technologies, not as hardware and software that are objects of study themselves, but as tools for personal learning and contemporary teaching. The unit will give students the opportunity to explore technology as social beings, as student learners and researchers at the university, and as classroom teachers. Tasks will be compiled in the course e-portfolio and will focus on the creation of real and useful products (such as web pages and digital teaching resources).

Lectures/workshops: 3 hours per week.

Prerequisites: Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

**Local Area Network Design and Implementation (ICT546)**

Credit Points: 4

Murdoch: S1-internal

This unit is the first of two which together deliver the Cisco CCNA Certification curriculum. ICT535 Advanced Business Data Communications is the subsequent unit. The networking architectures of TCP/IP and OSI are studied as an introduction to the theory of networking. Extensive practical exercises using internetworking devices such as hubs, switches and routers, provide the student with LAN design and implementation skills.

Lectures: 2 hours; laboratories: 2 hours.

Prerequisites: Enrolment in a postgraduate IT course.

Exclusions: Students who have successfully completed ICT246 Local Area Network Design and Implementation may not enrol in this unit for credit.

**Love and Friendship (PHL215)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Love and friendship have long been recognised as playing a central part in the best sort of human life. But just what love is, how friendship differs from other sorts of love, and why love

relationships are so important is not so readily understood. This unit explores philosophical perspectives on the nature of love and friendship, the roles of intimacy, uniqueness, constancy, reciprocity and love of humanity, as well as themes concerning autonomy, jealousy, gender and ethics.

Lectures/tutorials: up to 2.5 hours per week.

Prerequisites: Nil. This unit is intended to be accessible to students from all disciplines.

Co-requisite: Internet access if studying externally.

This unit will be offered on alternate years.

**Love and Friendship (PHL415)****As for PHL215 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

This unit will be offered on alternate years.

**Macroeconomics A (BUS260)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit provides a foundation in basic macroeconomic principles. A framework for analysis is developed and the determinants of unemployment, inflation and the level of output are discussed. Particular emphasis is placed upon the role of government macroeconomic policy.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics.

Co-requisite: Internet access if studying externally.

**Macroeconomics A (MBS562)****As for BUS260 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a postgraduate course. Students should note that this unit assumes knowledge equivalent to BUS161 Introduction to Economics.

Co-requisite: Internet access if studying externally.

Students should ensure that they are familiar with introductory texts in micro and macroeconomics. Students with further queries should contact the Unit Coordinator.

**Macroeconomics B (BUS360)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides an intermediate level treatment of macroeconomic theory and policy issues. The unit focuses on the evolving or dynamic nature of macroeconomic disputation: from pre-Keynesian perceptions to the modern period. Particular attention will be paid to the structure of post-Keynesian economics

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS260 Macroeconomics A.

Co-requisite: Internet access if studying externally.

**Management Accounting (BUS227)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This unit examines the role of the accountant in providing information to internal management. The major areas are advanced costing methods, budgeting and performance evaluation, and decision making. In addition, students gain improved technology skills through accounting-related spreadsheet assignments.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: ICT105 Introduction to Information Technology and BUS217 Technology and Accounting Processes.

Co-requisite: Internet access if studying externally.

### Management Accounting (MBS627)

Credit Points: 4

Murdoch: S1-internal

This is an advanced unit in management accounting with the focus on the accountant providing information to internal management. The topics include advanced costing methods and systems for services, products and overheads; information for managing resources for performance evaluation and tactical decision-making. In addition contemporary approaches to measure and manage performance using non-financial indicators will be discussed.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

### Management of Not for Profit Organisations (MBS654)

Credit Points: 4

Murdoch: S1-internal, S1-external

Social entrepreneurial ventures or not-for-profit organisations are primarily concerned with increasing 'societal wealth' operating in areas such as welfare, education, health, religion, sport, the arts, or the environment, and are run by community groups, NGO's, private or not-for-profit entrepreneurs. This practitioner orientated unit concentrates on the management, operation, and marketing of not-for-profit organisations, and the public role of social entrepreneurs. Areas including social corporate responsibility, the triple bottom line and business ethics are discussed.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Students must be enrolled in a Murdoch Business School Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MBS699 Special Topics in Business: Not for Profit Business cannot enrol in this unit for credit.

### Managing Emergencies Including Planning for Business Continuity (NUR645)

Credit Points: 4

Not available 2011

This unit provides students with an understanding of emergency management and business continuity, how to prepare plans and undertake mock exercises and evaluate outcomes. Recent events such as bombing in Bali, evacuation of injured asylum seekers and fires in Victoria have required health services to respond to catering for large numbers of the sick and injured. Development of emergency management and business continuity plans can be challenging as can undertaking mock exercises to test the veracity of plans.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

### Managing in a Health Care Environment (NUR612)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit will focus on essential human resource management for a variety of health settings. A comprehensive overview of planning, monitoring, managing and evaluating service provision for clients/patients in different settings will be included. Students will have the opportunity to explore relevant Human Resource Management strategies and critically enquire into the effect power, morale and motivation have in regard to improving service performance and risk education.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

### Managing Professional Practice (MBS528)

Credit Points: 4

Not available 2011

This unit provides students with the skills and knowledge needed to successfully establish and manage a small professional practice business. By the end of the unit, students should have developed a basic knowledge about business commencement options, business planning techniques, small business financial control, management of day-to-day operations, effective marketing techniques, legal and ethical issues, and staffing of the business. They will also obtain an understanding of how different professions operate their respective practices.

2 sessions at 4 hours each per week taught over an intensive teaching period.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a Veterinary Science or Health Science undergraduate qualification or demonstration of at least two years professional experience in a Health Science field.

On completion of this unit, postgraduate Veterinary Students can apply for advanced standing towards the Postgraduate Certificate in Business Administration providing it is not used to satisfy requirements of the veterinary courses.

### Managing Remuneration, Benefits and Motivation (MBS626)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD3-internal

KAPLAN-SGP: T2A-internal

Focuses on managing employee remuneration and benefits in contemporary organisations. It aims to give students a broad understanding of the theoretical frameworks underpinning the links between work behaviours and pay, and practical experience in designing and evaluating an effective remuneration system. Topics: the mechanics of determining relative job worth when establishing pay structures; the link between motivation theory and the use of incentive systems in performance management; the impact of economic theory and the broader environment in wage determination.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.



**Managing Wetlands and Water (ENV311)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides a comprehensive theoretical and practical basis for the management, monitoring and conservation of rivers, streams, estuaries and wetlands. It develops an understanding of aquatic processes which includes the physical and chemical features of inland, estuarine and nearshore marine waters and aspects of primary and secondary production. The unit then focuses on human impacts, monitoring, management strategies and water resources policy. The practical component of the unit provides a knowledge of relevant physical, chemical and biological research techniques.

Lectures: 2 hours per week; practical work: 3 hours per week.

Prerequisites: Completion of, or concurrent enrolment in, ENV268 Ecology or enrolment in the Bachelor of Applied Science in Environmental Science.

Co-requisite: Internet access if studying externally.

Students who previously did ENV311 Management of Aquatic Systems may not enrol in this unit for credit. Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Managing Wetlands and Water (ENV611)**

As for ENV311 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who previously did ENV311 Management of Aquatic Systems may not enrol in this unit for credit.

**Managing, Evaluating and Developing Human Resources (MBS625)**

Credit Points: 4

Murdoch: S1-internal, S1-external

DUBAI-ISC: TD3-internal

KAPLAN-SGP: T3A-internal

This unit will focus on the integration of performance appraisal, training, management development and career management systems that form the nucleus of an overall performance management system in an organisation. Such systems need to be mutually reinforcing to achieve the accountability, development, maintenance and motivation of human resources in the enterprise.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Marine and Estuarine Biology (BIO384)**

Credit Points: 4

Murdoch: S1-internal

This unit examines marine and estuarine ecosystems, their organisms and how these ecosystems function. It commences with an introduction to marine ecology, followed by an examination of various aspects of planktonic, estuarine, intertidal, benthic and coral reef communities. The information is used to illustrate the temporal and spatial structure and functioning of marine ecosystems. An essential part of the unit is a one-week field camp, which will be held in the week preceding the start of Semester 1.

Lectures: 3 hours per week; workshops: 3 hours per week for part of the semester; fieldwork: 1-week fieldwork component in the week before the

commencement of Semester 1.

Prerequisites: N261/BIO261 Animal Diversity, or N287/BIO287 Plant Diversity (Marine Science) or N265/BIO265 Plant Diversity, or N268/ENV268 Ecology.

**Marine Mammal Health and Conservation Project (VET665)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit is an elective unit and is offered in collaboration with Cambridge University. The unit will provide students with a detailed understanding of the issues associated with the conservation and health of marine mammals in captivity and the wild. The unit will consider a range of issues including the management of the health and welfare of pinnipeds and cetaceans within captive facilities, as well as the conservation and health threats faced by wild populations throughout the world.

On-line discussion.

Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine. Students wishing to enrol in this unit must receive approval from the Academic Chair by May 31st.

Co-requisite: Internet access if studying externally.

**Marketing and Advertising Law (BUS209)**

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

KAPLAN-SGP: T2A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

This unit considers the laws regulating the marketing and advertising of goods and services in Australia. Focus: common legal issues faced by marketers and advertisers involved in the sale and promotion of products and services. Acquire sufficient legal knowledge to achieve total quality management. Topics: intellectual property in marketing (patents, trade secrets, copyright, designs, trademarks), passing off actions, product labels and packaging, product liability, advertising law, promotions, and if time allows, competition law.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law.

**Marketing Management (BUS214)**

Credit Points: 4

Murdoch: S1-internal, S1-external, SB4-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S1K-internal, SB4-internal

SGP1: T2B-internal

Marketing Management is designed to provide an overview of marketing management with insights into market development principles, tools, and planning processes. A 'live' case study gives students experience as marketing planners, providing an understanding of the complexities of the process. It has a strong applied focus utilising sound theoretical concepts to endorse and develop a critical approach to real-life commercial situations. The unit also develops a student's ability to critically evaluate and decide between choices based on solid justifications.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS169 Principles of Marketing or TOU213 Tourism Marketing.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit

commences on Tuesday 4 January 2011.

### Marketing Research and Analysis (BUS335)

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This unit is designed to introduce the student to marketing research. The purpose is to provide an overview of the marketing research process and its basis in the scientific method as well as to develop knowledge in the principles of research design, data collection, statistical analysis and report preparation. The unit examines recent developments in online research methods and the use of database marketing. Ethical issues of research are also addressed as well as difficulties involved in cross-cultural research.

Lectures/workshops: 3 hours per week.

Prerequisites: MAS180 Introduction to Statistics and BUS214 Marketing Management.

### Master of Arts by Coursework Dissertation (AIS650; was AIS550)

Credit Points: 12

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Master of Arts by Coursework Dissertation (MCC650; was COM550/MCC550)

Credit Points: 12

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Master of Arts by Coursework Dissertation (PHL650; was PHL550)

Credit Points: 12

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Master of Arts by Coursework Dissertation (POL650; was POL550)

Credit Points: 12

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Master of Arts by Coursework Dissertation (STP650; was STP550)

Credit Points: 12

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A dissertation in a Master of Arts by Coursework requires a substantive investigation of a relevant topic under the supervision of a member of the academic staff. Students are required to report their investigation in a dissertation of approximately 20,000 words completed in accordance with University requirements.

Students are expected to meet regularly with the academic supervisor throughout the semester.

Prerequisites: Enrolment in an MA by Coursework and completion of, or concurrent enrolment in STP418/STP618 Honours and Masters Research Seminar. For enrolment in a 12 pt dissertation, a minimum of Distinction average for units completed or permission of the Unit Coordinator is required.

Co-requisite: Internet access if studying externally.

Students cannot self-enrol in this unit.

### Master of Arts by Coursework Project (AIS620; was AIS520)

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (COD620)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in a MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (COD620)

**As for COD620 except:**

Credit Points: 8

Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (MCC620; was COM520/MCC520)

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (PHL620; was PHL520)

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (POL620; was POL520)

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (POL620; was POL520)

**As for POL620 except:**

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (STP620; was STP520)

Credit Points: 4

Not available 2011

A project in a Master of Arts by Coursework requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have at most 8000 words for the 4-point option and 12,000 words for the 8-point option, completed in accordance with University requirements.

Students are expected to meet regularly with their supervisor throughout the semester.

Prerequisites: Enrolment in an MA by Coursework.

Co-requisite: Internet access if studying externally.

### Master of Arts by Coursework Project (STP620; was STP5201/STP5208)

**As for STP620 except:**

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Enrolment in an MA by Coursework and completion of, or concurrent enrolment in STP418/STP618 Honours and Masters Research Seminar.

Co-requisite: Internet access if studying externally.

### Master of Ministry Project (THE583)

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

A project in a Master of Ministry requires a major report on a relevant topic under the supervision of a member of the Theology staff. A 4-point project will normally have a maximum of 6,000 words, and an 8-point project at most 12,000 words, completed in accordance with University requirements. This unit is not open for self-enrolment as students must discuss with the Academic Chair their topic and the availability of a supervisor.

Prerequisites: Completion of the first year of Master of Ministry for the 8-point project only.

Co-requisite: Internet access if studying externally.

### Master of Ministry Project (THE583)

**As for THE583 except:**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Masters Coursework Production (MCC651)

Credit Points: 12

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

A Master of Arts by Coursework Production is a discrete production, such as a short film, short feature, or screenplay. Candidates wishing to include, in addition to the production, a written thesis component that will position the production as a research-oriented work should enrol in MCC650 Master of Arts by Coursework Dissertation (12 pts) or MCC620 Master of Arts by Coursework Project (4 pts)/MCC6201 Master of Arts by Coursework Project (8 pts).

Prerequisites: Nil.

**Masters Engineering Project (ENG550)**

Credit Points: 12

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

The project involves the complete design and implementation of a substantial project, typically industry based. It is designed to make use of all of the skills and understanding of the student both from previous studies and those developed within the Master of Engineering.

By arrangement with Supervisor.

Prerequisites: Enrolment in ME.

**Masters Topic in Media Production (MCC6101)**

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This is a Master-level unit, specific to the candidate's program of study, designed to afford focus on a related area of research, praxis, pre-production or production methodology.

Prerequisites: Nil.

**Masters Topic in Media Production (MCC6102)**

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, W-internal, Y-internal

This is a Master-level unit, specific to the candidate's program of study, designed to afford focus on a related area of research, praxis, pre-production or production methodology.

Prerequisites: Nil.

**Materials Chemistry (PEC312)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Materials chemistry investigates the relationship between the atomic or molecular structure of materials and their macroscopic properties. This unit introduces the properties, characterisation techniques and applications of various materials, and the fundamental chemistry underpinning their behaviour.

Lectures/workshops: 4 hours per week; laboratories: up to 4 hours per fortnight.

External: Internet access and compulsory up to 4-day on campus laboratory session. Due to the nature of offering this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

Prerequisites: PEC201 Thermodynamics; PEC247 Chemical Processes.

Co-requisite: Internet access if studying externally.

**Maternal and Newborn Health (NUR302)**

Credit Points: 4

Peel: S1-internal

This unit introduces students to the scope of practice of maternal and newborn nursing and to the knowledge and skills that enable them to effectively care for women and their babies during the childbearing continuum, under the supervision of qualified midwives. The unit builds on concepts introduced in years one and two and enhances students' knowledge and skills in clinical decision-making processes according to the RN's scope of nursing practice.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: NUR104 Nursing Bioscience 1 and NUR115 Health and

Physical Assessment - Clinical Placement. Prior completion of NUR223 Medical and Surgical Nursing 1 - Clinical Placement is highly recommended.

**Maternal and Newborn Health -- Clinical Placement (NUR332)**

Credit Points: 1

Peel: W-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within a maternity setting. Students will be allocated to a clinical placement under the supervision of a preceptor and clinical nurse educator and will utilise an objective student professional performance tool based on ANMC competencies.

Clinical Practicum: 8 hours per day for 10 days (80 hours) within the allocated placement period.

Prerequisites: NUR302 Maternal and Newborn Health and NUR223 Medical and Surgical Nursing 1 - Clinical Practice. Students who have not completed NUR302 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR223 has a prerequisite of completion of Part I Nursing units and NUR201 Fundamentals of Pathophysiology and Pharmacology I and NUR203 Medical and Surgical Nursing 1. NUR302 also requires completion of Part I Nursing units.

Co-requisite: Internet access if studying externally.

A result of Ungraded Pass or Fail is awarded for this unit.

**Maternal and Newborn Health -- Clinical Placement (NUR332-1)**

As for NUR332 except:

Credit Points: 2

Not available 2011

Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Prerequisites: NUR302 Maternal and Newborn Health and NUR223 Medical and Surgical Nursing 1 - Clinical Practice. Students who have not completed NUR302 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR223 has a prerequisite of completion of Part I Nursing units and NUR201 Fundamentals of Pathophysiology and Pharmacology I and NUR203 Medical and Surgical Nursing 1. NUR302 also requires completion of Part I Nursing units.

Students enrolled in the Bachelor of Nursing prior to 2010, should enrol in NUR332 Maternal and Newborn Health-Clinical Placement as well as NUR333 Children and Adolescent Health - Clinical Placement.

A result of Ungraded Pass or Fail is awarded for this unit.

**Mathematical Methods (MAS261)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Real problems often involve a number of variables that depend on time (a vector function), or a single function that depends on many variables (a function of several variables), or a combination of both. This unit is made up of four sections: Fourier series, multivariable calculus, linear algebra and Laplace transforms. These are branches of mathematics essential for dealing with such real-world problems.

Lectures: 3 hours per week, tutorials: 1 hour per week.

Prerequisites: M161/MAS161 Calculus and Matrix Algebra or A208/MAS208 Mathematical Modelling.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either of MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics concurrently.

### Mathematical Modelling (MAS208)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit considers mathematical models, their uses and limitations. Case studies involving relatively simple mathematical ideas will demonstrate that models range from simple tools for answering 'what if' questions to quite accurate descriptions that allow useful predictions to be made. Topics: modelling of chemical, biological and physical systems (using first order ordinary differential equations); modelling of steady state systems (using matrix algebra); dynamical models (ordinary differential equations); modelling of diffusive processes (partial differential equations). Tutorials will use computer algebra software.

Lectures/tutorials: 4 hours per week.

Prerequisites: M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed M279 Mathematical Methods II may not enrol in this unit. Students may not enrol in this unit and MAS164 Fundamentals of Mathematics concurrently.

### Mathematics and the Curriculum (Secondary) (EDN314; was EDU2541/EDU2751)

Credit Points: 2

Murdoch: S1-internal, S1-external

This unit aims to assist the student teacher to develop competency with the planning and implementation skills associated with the teaching of a program of secondary mathematics. It is directed towards the development of the mathematical skills and problem-solving abilities of adolescents. This unit is not a mathematics unit -- rather, it is about teaching mathematics.

Lectures/workshops: 25 hours.

Prerequisites: Successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/E101/EDU1011/E1011 Introduction to Teaching; enrolment in a teacher education course [BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary) or GradCertMathTeach].

Co-requisite: Internet access if studying externally.

Curriculum teaching minor in Mathematics requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Mathematics and Statistics major.

### Mathematics and the Curriculum (Secondary) (EDN414; was EDU254/EDU275)

As for EDN314 except:

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Lectures/workshops: 50 hours (includes the equivalent of 1.5 days of intensive workshops during Winter Term).

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Co-requisite: Internet access if studying externally.

Completion or near completion of a major in Mathematics. Students must have completed or currently be enrolled in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of

Education (Secondary).

Students should be enrolled in BEd(Secondary)/BSc (Mathematics and Statistics) OR BEd (Secondary) (Graduate with Mathematics degree) and enrolled in EDU3161 School Experience: Secondary BEd for students taking this unit (EDN414) as a curriculum major.

OR

Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN314 as a curriculum minor

OR

Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN414 as a curriculum major or EDN314 as a curriculum minor.

### Mathematics for Teaching (EDN110)

Credit Points: 3

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit is designed for students who have not successfully completed Stage 2 or above of Year 12 Mathematics. It aims to further enhance their skill and understanding of critical mathematical concepts and processes needed to teach primary school mathematics and science. The content will address key elements of the primary school curriculum: number and algebra; measurement and geometry; and statistics and probability.

Lectures/workshops: 3 hours/week.

Prerequisites: Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed Stage 2 or above of Year 12 Mathematics or undergraduate mathematics units. Students who have successfully completed EDU162 Cultural Mathematics may not enrol in this unit for credit.

If students fail this unit they cannot enrol in EDN114 Thinking Mathematically. If students fail EDN114 and have not already completed EDN110, then they must complete this unit before enrolling again in EDN114.

### Meaning and Interpretation (PHL217)

Credit Points: 4

Not available 2011

This unit deals with central themes in contemporary philosophy of language, in both the analytic and phenomenological traditions. Questions addressed include: How do we make 'sense' of the world? How do we understand others? What counts as a language? Is 'language' necessary to make the world 'meaningful' for us? Can we think without words? What is the relation between thinking, talking and hearing? What is the relation between language and reality? Is it possible to understand what someone else says?

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

### Meaning and Interpretation (PHL417)

As for PHL217 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Measurement Systems and Sensors (ENG681)

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit explores the broad area of computer based measurement and control. Continuous and discrete time domains are addressed



together with the interface between the two, Theoretical, practical and computer based simulations are interwoven together throughout the unit. Specific areas of study include: analysis of signals which then leads into the requirements and design of signal conditioning systems; continuous and discrete time tools and methodologies; discrete time controllers and implementation.

*Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.*

*Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.*

### **Mechanisms of Disease (BMS360)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit deals with the principles of pathology. It covers all the key mechanisms of disease such as thrombosis, cardiovascular disturbances, inflammation, cell and tissue death, diseases resulting from an aberrant in utero environment, and diseases of abnormal DNA processing such as neoplasia and inherited conditions. Using examples from human and animal disease the relationships between the varying pathological processes will be explored. Disease is discussed at both the naked eye, microscopic and molecular levels.

*Lectures: 3 hours per week; histopathology workshops: 2 hours per week; problem-solving workshops: 1 hour per week.*

*Prerequisites: Completion of, or concurrent enrolment in, BMS264 Biomedical Physiology.*

### **Media and Globalisation (MCC314)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

*KAPLAN-SGP: T3A-internal*

*KDUPJ: S2K-internal*

*SGP1: T1B-internal, T3B-internal*

This unit surveys contemporary issues arising from the internationalisation of mass communication. It introduces key theories of globalisation, corporation, concentration and conglomeration, convergence, and media/cultural imperialism. Students will undertake case studies that examine a range of topics including the advent of 24/7 news and development of regional/global media hubs. Students will be tasked to think critically about the global mediascape and develop a deeper understanding of the rapidly changing media and creative industries around the world.

*Lectures: 1.5 hours per week; tutorials: 1.5 hours per week.*

*Prerequisites: MCC108 Introduction to Communication and Media. Co-requisite: Internet access if studying externally.*

*Graduate, Postgraduate and Honours students interested in the content of this unit should consider MCC682 Global Media: Asia-Pacific Perspectives.*

### **Media and the Curriculum (EDN315; was EDU2541/EDU2761)**

*Credit Points: 2*

*Murdoch: S1-internal, S1-external*

This unit examines the study of media in the K-12 school curriculum, particularly as it applies to the learning areas of English, the arts, and technology and enterprise. Attention is given to how a variety of media theories might be adapted for use in primary and secondary classrooms; students might expect to develop an increased understanding and critical awareness of -- as well as gaining some practice in -- the construction and analysis of a range of media texts.

*Lectures/workshops: 25 hours.*

*Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.*

*Co-requisite: Internet access if studying externally.*

*Curriculum teaching minor in Media requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Mass Communication or Media Studies or Multimedia or Communication or Digital Media majors.*

### **Media and the Curriculum (EDN415; was EDU254/EDU276)**

**As for EDN315 except:**

*Credit Points: 4*

*Murdoch: UW2-internal, UW2-external*

*Lectures/workshops: 50 hours includes the equivalent of 1.5 days intensive workshops during Winter term.*

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites: Co-requisite: Internet access if studying externally.*

*Students should also be enrolled in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary)/Bachelor of Media or Bachelor of Mass Communication or Bachelor of Communication or Bachelor of Education (Secondary) (Graduate), where taking this unit (EDN415) as a curriculum major.*

*OR*

*Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN315 as a curriculum minor*

*OR*

*Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDN415 as a curriculum major or EDN315 as a curriculum minor.*

### **Media Audiences and the Public (MCC236)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*DUBAI-ISC: N2-internal*

*KAPLAN-SGP: T3A-internal*

*KDUPJ: S1K-internal*

*SGP1: T1B-internal, T3B-internal*

This unit considers the contemporary media environment for audiences in terms of historical and newly developing traditions of audience analysis. It also examines public and political communication and the theories that inform it. It draws on several disciplines -- social psychology, mass communication, consumer behaviour, advertising, market research and cultural studies and considers the factors in formulating valid opinion polling. It looks at how public information campaigns are organised and develops proficiency in the practical skills of case study analysis.

*Lectures: 1 hour per week; tutorials 1.5 hours per week.*

*Prerequisites: MCC108 Introduction to Mass Communication.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have completed MSC236 Media Audiences are not eligible to enrol in this unit.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.*

### Media Audiences and the Public (MCC566; was MCC436)

**As for MCC236 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in Honours or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC436 Media Audiences and the Public may not enrol in this unit for credit.

### Media Law and Ethics (MCC245; was JOU345)

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

SGP1: T1B-internal, T3B-internal

Students learn about and are tested in the legal and ethical constraints faced by reporters, editors, sub-editors, producers, writers and presenters in all media. They receive a grounding in aspects of media law of practical relevance to journalists, including contempt of court, defamation and copyright.

Lectures: 1 hour twice a week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed JOU345 Media, Law and Ethics or JOU324 Journalism: Professional and Legal Frameworks may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Media Law and Ethics (MCC545; was JOU445/MCC445)

**As for MCC245 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MCC445 Media Law and Ethics may not enrol in this unit for credit.

### Media Management Project (MCC680)

Credit Points: 6

Murdoch: S1-internal, S1-external, S2-internal, S2-external, W-internal, W-external

Under supervision students complete a business plan or significant investigation of a topic approved by the Unit Coordinator.

Initial seminar and regular contact in person or otherwise with the Unit Coordinator during the project.

Prerequisites: Enrolment in Master of Media Management or Master of Arts in Communication Management. Students are normally expected to enrol in this unit once they have completed all other course requirements.

Co-requisite: Internet access if studying externally.

### Media Production Seminar (MCC433; was MED433)

Credit Points: 4

Murdoch: S1-internal, S2-internal

The focus of this seminar is to equip students with knowledge of media production research methodologies, which they will be able to use to develop their projects in line with professional media standards.

Prerequisites: Enrolment in Honours in Media.

Exclusions: Students who have successfully completed MED433 Media Production Seminar may not enrol in this unit for credit.

Postgraduate students should enrol in the higher-level code for this unit. A result of Ungraded Pass or Fail is awarded for this unit.

### Media Production Seminar (MCC533)

**As for MCC433 except:**

Credit Points: 4

Murdoch: S1-internal, S2-internal

Prerequisites: Enrolment in Postgraduate Certificate in Media Production or Postgraduate Diploma in Media Production or Master of Arts by Personal Program.

Exclusions: Students who have successfully completed MED433 Media Production Seminar may not enrol in this unit for credit.

A result of Ungraded Pass or Fail is awarded for this unit.

### Media Projects (MCC312; was MCC212)

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit extends the practical, critical and research skills developed in media production units. It is designed for dedicated media-makers who wish to (i) participate in a client or a tutor-directed project (ii) explore the conceptual possibilities of the visual medium in the context of a group production (iii) explore collaborative links with other communication and media majors and units.

Lectures: to be determined, generally 1 hour per week; tutorials: 2 hours per week.

Prerequisites: MCC226 Screen and Sound Production II (or MED226 Screen Production II) AND MCC201 Professional Development in Screen and Sound Production AND MCC302 Advanced Screen and Sound Production (or MED302 Advanced Screen and Sound Production); OR enrolment in Online Communication and Production major; OR MCC124 Photography and Digital Imaging; OR enrolment in Sound major or Sound minor.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Media Projects (MCC612; was MCC412/MCC512)

**As for MCC312 except:**

Credit Points: 4

Murdoch: S1-internal, S2-internal

Prerequisites: Permission of Unit Coordinator.

### Media Relations (MCC259)

Credit Points: 4

Murdoch: S1-internal

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

This unit explores the theory and practice of media relations through case studies, practical writing exercises and the development of a media relations campaign. Students will learn how to work closely with the media, plan and evaluate media campaigns, prepare for interviews and press conferences, and write effective media releases, backgrounders and feature stories. In addition, students will explore the broader social role of media relations and its relationship with public relations.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: MCC107 Introduction to Public Relations.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Media Relations (MCC559)

**As for MCC259 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours or Postgraduate course.

### Media, Culture and Politics in Indonesia (IND271)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines the dramatic changes which have taken place in Indonesia since 1965, with particular emphasis on the last decade. It focuses on the relationship between media, contemporary culture and political and social change, exploring popular music, contemporary literature, print, electronic, and 'new' media. We discuss the forces which shape contemporary Indonesian media, culture and politics, such as ethnicity, gender and class, in the context of the interaction between elite-dominated 'national culture' and the practices of other classes.

Lectures: 1.5 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. No knowledge of Indonesian language is required.

Co-requisite: Internet access if studying externally.

Honours and postgraduate students should enrol in the higher-level code for this unit.

### Media, Culture and Politics in Indonesia (IND671; was IND471)

**As for IND271 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Mediation (LEG207)

Credit Points: 4

Murdoch: SP18-internal

Introduction to the knowledge and skills associated with mediation as it is practised in Australia including family law, commercial disputes, neighbourhood disputes and through court referrals. Examine the legal framework governing the practice of mediation and issues associated with its use including privacy and confidentiality, power imbalances, mediator training and competency and the enforceability of mediated agreements. Develop communication and other skills necessary for participating in mediations, whether as a party, a representative of a party or as a mediator.

Taught intensively over one week: refer to timetable for details.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: LLB or Juris Doctor students may not enrol in the lower-level unit for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### Mediation (LAW407)

**As for LEG207 except:**

Credit Points: 4

Murdoch: SP18-internal

Prerequisites: Enrolment in the Graduate Certificate in Dispute Resolution OR L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedures, and L260/LAW260 Contract.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

### Medical and Surgical -- Clinical Placement (NUR322)

Credit Points: 1

Peel: SUM-external, W-external

Part of the BNurs (Conversion) course, students will demonstrate learned knowledge, essential nursing skills and competencies within a medical/surgical setting. Students will be allocated to a clinical placement under the supervision of a preceptor and clinical nurse educator and will utilise an objective student professional performance tool based on ANMC National Competency standards (2006) for the Registered Nurse.

Clinical Practicum: 8 hours per day for 20 days (160 hours) within the allocated placement period.

Prerequisites: Enrolment in Bachelor of Nursing Conversion.

Co-requisite: Internet access if studying externally.

This is the FINAL Clinical Placement for students and should be taken in the final teaching period.

A result of Ungraded Pass or Fail is awarded for this unit.

### Medical and Surgical Nursing I (NUR203)

Credit Points: 4

Peel: S1-internal

This unit will address specific physiological and psychological responses and associated nursing care related to various pathophysiological mechanisms of disease. Knowledge, scenarios, and skills will be relevant to body systems being studied in order to determine best nursing practice for medical and surgical patients based on evidence and research. The integration of legal and bioethical principles relevant to clinical practice, with related pharmacology and therapeutics for the respective systems, will be explored. Students will demonstrate knowledge in structured clinical practice.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Completion of Part 1 of the Bachelor of Nursing.

Recommended co-requisite: NUR201 Fundamentals of Pathophysiology and Pharmacology I.

### Medical and Surgical Nursing I -- Clinical Placement (NUR223)

Credit Points: 1

Peel: W-external

Students will demonstrate learned knowledge, essential nursing skills and competencies developed in NUR203 within a medical/surgical setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective student professional performance tool based on ANMC Competencies.

Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Prerequisites: NUR203 Medical and Surgical Nursing I and NUR201

*Fundamentals of Pathophysiology and Pharmacology 1. Students who have not completed NUR203 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR201 and NUR203 both have a prerequisite of completion of Part I Nursing units.*

*Co-requisite: Internet access if studying externally.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Medical and Surgical Nursing II (NUR205)**

*Credit Points: 4*

*Peel: S2-internal*

This unit will continue to focus on the relationship between specific physiological, psychological responses and associated nursing care related to various pathophysiological mechanisms of disease. The integration of legal and bioethical principles relevant to clinical practice, along with related skills, pharmacology and therapeutics for the respective systems will be explored. Knowledge and competencies will be demonstrated in structured clinical practice.

*Lectures: 2 hours per week; laboratories: 2 hours per week.*

*Prerequisites: NUR223 Medical and Surgical Nursing 1 - Clinical Placement OR Enrolment in Bachelor of Nursing Conversion. Students should note that NUR223 has a prerequisite of completion of Part I Nursing units and NUR201 Fundamentals of Pathophysiology and Pharmacology I and NUR203 Medical and Surgical Nursing 1.*

*Recommended co-requisite: NUR202 Fundamentals of Pathophysiology and Pharmacology II.*

### **Medical and Surgical Nursing II -- Clinical Placement (NUR225)**

*Credit Points: 1*

*Peel: SUM-external*

Students will demonstrate learned knowledge, essential nursing skills and competencies within a medical/surgical setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective student professional performance tool based on ANMC competencies.

*Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.*

*Prerequisites: NUR205 Medical and Surgical Nursing II and NUR202 Fundamentals of Pathophysiology and Pharmacology II. Students who have not completed NUR205 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR202 has a prerequisite of completion of Part I Nursing units and NUR205 has a prerequisite of completion of Part I Nursing units, NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR203 Medical and Surgical Nursing 1 and NUR223 Medical and Surgical Nursing 1 - Clinical Placement.*

*Co-requisite: Internet access if studying externally.*

*Students should note that as this placement takes place at the end of the year, students will be enrolled in the units in November 2011.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Medical Immunology and Molecular Genetics (BMS265)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit will provide basic knowledge and practical skills in medical immunology together with molecular and quantitative genetics. Sections comprise features of the immune response in both health and disease, including an understanding of immunopathogenic mechanisms of disease. Emphasis will also be given to the structure

and functioning of genes and how this molecular knowledge is increasingly being applied to the diagnosis and treatment of clinical disease.

*Lectures: 4 hours per week; practicals: 3 hours per week.*

*Prerequisites: BIO152 Cell Biology.*

*Exclusions: Students who have successfully completed or who are currently enrolled in N252 Animal Biotechnology/BIO252 Immunology, Vaccines and Cell Culture may not enrol in this unit for credit.*

### **Medicine 1 (VET625)**

*Credit Points: 4*

*Murdoch: S1-external*

This unit considers endocrinology, urinary tract diseases and medical neurology. The principle objective is for students to gain a deeper understanding of the pathophysiology associated with diseases of these organ systems and to use this knowledge to improve both diagnostic and treatment skills.

*Prerequisites: Enrolment in Master of Veterinary Studies or enrolment in Postgraduate Certificate in Vet Studies in Small Animal Practice or enrolment in Postgraduate Certificate in Small Animal Practice (International).*

*Co-requisite: Internet access if studying externally.*

### **Medicine 2 (VET626)**

*Credit Points: 4*

*Murdoch: S2-external*

This unit incorporates the basic investigative techniques and pathophysiology of diseases of the alimentary, respiratory and cardiovascular systems. Each body system is evaluated individually with a problem-oriented approach and common diseases are discussed in more depth. The more controversial topics and new treatment strategies available will also be highlighted and discussed. The main objective is to expand the base of knowledge required to accurately diagnose and treat commonly encountered problems in these body systems in general practice.

*External.*

*Prerequisites: Enrolment in Master of Veterinary Studies.*

*Co-requisite: Internet access if studying externally.*

### **Mental Health Issues In Chiropractic Care (CHI488)**

*Credit Points: 2*

*Murdoch: T3-internal*

This unit will explore the range of normal and abnormal psychological syndromes that are commonly presented in chiropractic practice. Students will learn to identify psychological syndromes with emphasis on the effectiveness of the practitioner response and the importance of appropriate referral. Best practice treatments for the major problems will be explored.

*Lectures: 2 hours per week.*

*Prerequisites: Nil.*

### **Mental Health Nursing (NUR206)**

*Credit Points: 4*

*Peel: S1-internal*

This unit will focus on mental illness and models for effective psychiatric nursing care in the child, adolescent, adult and older adult. This will include individual, contextual, developmental and modifying factors, contemporary and complimentary treatment modalities. The unit will provide the theoretical knowledge to support the student in the acute and specialist mental health

settings. Knowledge and competencies will be demonstrated in structured clinical practice.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: NUR128 Introduction to Mental Health - Clinical Placement OR Enrolment in Bachelor of Nursing Conversion. Students should note that NUR128 has a prerequisite of NUR127 Introduction to Mental Health, NUR100 Introduction to the Nursing Profession and NUR110 Introduction to the Nursing Profession - Clinical Placement.

### **Mental Health Nursing -- Clinical Placement (NUR226)**

Credit Points: 1

Peel: W-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within an acute mental health setting. Students will be allocated to a clinical placement under the supervision of a clinical nurse educator and will utilise an objective student professional performance tool based on ANMC National Competency Standards (2006) for the Registered Nurse.

Clinical Practicum: 8 hours per day for 15 days (120 hours) within the allocated placement period.

Prerequisites: Enrolment in Bachelor of Nursing Conversion OR NUR206 Mental Health Nursing and NUR203 Medical and Surgical Nursing I. Students who have not completed NUR206 in the previous semester must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this unit. Students should note that NUR206 has a prerequisite of NUR128 Introduction to Mental Health - Clinical Placement, NUR127 Introduction to Mental Health, NUR100 Introduction to the Nursing Profession and NUR110 Introduction to the Nursing Profession - Clinical Placement.

Co-requisite: Internet access if studying externally.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Mentoring (EDU471)**

Credit Points: 4

Murdoch: S2-external

This unit explores conceptual issues and practical concerns surrounding mentoring in various educational, community and workplace settings as a strategy relevant to all ages. Topics include: the concept of mentoring and assumptions underlying it; different models of mentoring and applications; essential elements of effective mentoring relationships and features of effective mentoring programs. Participants can focus on areas of interest: developing or implementing a mentoring program; enhancing knowledge and skills as a mentor; building partnerships in their community or workplace.

Participants will have the opportunity to collaborate during compulsory on-campus workshops in July 2011.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Mentoring (EDU671)**

As for EDU471 except:

Credit Points: 4

Murdoch: S2-external

DUBAI-ISC: TD1-internal

Prerequisites: Enrolment in a postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### **Metabolic Rehabilitation (CHI451)**

Credit Points: 2

Murdoch: T3-internal

This unit will provide the student with an advanced understanding of metabolic assessment and metabolic rehabilitation techniques. The student will be provided advanced information concerning a metabolic disease and conditions that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with metabolic disorders.

Lectures: 2 hours; laboratories/workshops: 2 hours.

Prerequisites: CHI227 Exercise Physiology, CHI208 Health, Fitness and Performance Assessment, CHI318 Exercise Programming and Prescription.

### **Metallurgical Process and Plant Design (EXM435)**

Credit Points: 6

Murdoch: S2-internal

Students learn to apply the principles of extractive metallurgical project design at pre-feasibility stage including project planning, management, process design, flowsheet development, equipment selection, OHE&S and cost analysis. A written report and oral defence covering all project aspects will be submitted by each student team working on a specified metal/mineral extraction process. The unit is supported by Minerals Tertiary Education Council and is run in conjunction with University of Queensland and the Western Australian School of Mines.

Lectures/tutorials: 4 hours per week; project meetings as arranged by the Unit Coordinator.

Prerequisites: M301/EXM301 Mineral Processing, M302/EXM302 Advanced Mineral Processing, M357/EXM357 Extractive Metallurgy, M358/EXM358 Pyrometallurgy, or alternatives approved by the Unit Coordinator.

Exclusions: Students who have successfully completed EXM435 Advanced Topics in Extractive Metallurgy may not enrol in this unit for credit.

### **Microbiology I (BIO263)**

Credit Points: 4

Murdoch: S1-internal

The unit provides an introduction to the biology of bacteria, viruses, and fungi with a strong emphasis on developing practical microbiology skills in the laboratory. The interaction of micro-organisms with the environment, human beings, plant and animals is a major focus of this unit. Topics: microbial morphology, taxonomy, culture and growth and genetics; microbes as saprophytes; soil microbiology; microbes as symbionts and as parasites; microbes and human disease; public health and epidemiology; applied microbiology (biological control, food production, antibiotics).

Lectures: 3 hours per week; laboratories: 4 hours per week.

Prerequisites: N152/BIO152 Cell Biology.

### **Microbiology II (BIO364)**

Credit Points: 4

Murdoch: S1-internal

An advanced unit in microbiology with emphasis on molecular microbiology and microbial biotechnology. Students will gain understanding of diversity, interactions, ecology, and applications of micro-organisms in biomedical, agricultural and environmental

biotechnology. Students will develop skills in practical research, critical review and communication. Topics include microbial diversity and metabolism; role of adhesion and biofilms in microbial communities and pathogenicity; microbial genomics; molecular responses to the environment; molecular communication between micro-organisms, plants and animals; Archaea, microbial biotechnology and microbial ecology.

*Lectures/ workshops: 1 x 2 hour session per week; laboratories: 4 hours per week.*

*Prerequisites: N263/BIO263 Microbiology I or V361/BMS361 Medical Microbiology or ANS351 Animal Microbiology or BMS203 Comparative and Human Microbiology.*

### Microeconomics A (BUS261)

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

This unit provides a foundation in intermediate microeconomics. Topics covered include the neoclassical theories of choice and supply, the models of perfect competition, monopoly and oligopoly, and general equilibrium analysis is introduced. The efficiency properties of a competitive general equilibrium are also considered. Applications of theory are considered throughout the unit.

*Lectures: 2 hours per week; tutorials: 1 hour per week.*

*Prerequisites: BUS161 Introduction to Economics or enrolment in a postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### Microeconomics B (BUS361)

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

Review the methods used in intermediate microeconomics to analyse decision making. Students are introduced to: property rights and agency problems in business, the location decision of business and the economics of spatial networks, the modern economic analysis of market failures due to adverse selection and moral hazard. Students are equipped with an understanding of the recent exciting advances that economics has made in the analysis of decision making when information is both complete and incomplete.

*Lectures: 2 hours per week; tutorials: 1 hour per week.*

*Prerequisites: BUS261 Microeconomics A.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed C334 Microeconomics B or C303 Economic Analysis and Policy may not enrol in this unit for credit.*

### Migration Law in Practice (LAW404)

*Credit Points: 4*

*Murdoch: AU7-internal, SP27-internal*

This unit deals with the practical skills required of registered migration agents. The topics addressed include visa application assembly and lodgement techniques, the industry's Code of Conduct, communication skills and cultural awareness, problem solving, negotiation and advocacy skills. Students will learn about business structures and relevant legislation, financial duties, record keeping, and effective client services. The unit will also cover risk management, an overview of contract law, tort law, and the laws of negligence and consumer protection.

*Due to the nature of the offering of this unit, students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the*

*teaching period.*

*Prerequisites: Enrolment in the Graduate Certificate in Australian Migration Law and Practice; LAW402 Australian Migration Law AND LAW403 Australian Visa System.*

### Military Law (LAW344)

*Credit Points: 4*

*Not available 2011*

This unit provides an understanding of sources and processes of military justice, military administrative law and operations law. Military law has undergone significant reform in recent years. Accordingly, time will be spent on the recently created Australian Military Court, Chief of Defence Force Commissions of Inquiry, and the historical elements on which military law is based. The counter-terrorism role of the Australian Defence Force, and the law of military peacekeeping and enforcement operations will also be considered.

*Lectures: 3 hours per week.*

*Prerequisites: LAW259 Constitutional Law; LAW258 Australian Administrative Law; LAW252 Evidence; LAW260 Contract.*

### Mineral and Petroleum Law (LAW348)

*Credit Points: 4*

*Not available 2011*

Australia's mining and petroleum sectors are major contributors to its Gross Domestic Product. This unit examines the law relating to, and public policy affecting, minerals and upstream onshore and offshore petroleum exploration and production in Australia. It includes the review of selected Commonwealth and States' tenures and approvals regimes and contrasts with relevant foreign jurisdictions and legal structures for related exploration and production regimes for geothermal energy and coal/gas overlaps.

*Taught Intensively over one week - refer to teaching timetable for details.*

*Prerequisites: L260/LAW260 Contract, L258/LAW258 Australian Administrative Law, L252/LAW252 Evidence and L259/LAW259 Constitutional Law.*

*Exclusions: Students who have completed LAW3004 Special Topics in Law: Mining and Petroleum Law may not enrol in this unit for credit.*

### Mineral Processing (EXM301)

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

This unit deals with aspects of sampling, particle characterisation, comminution and classification, physical processes of mineral concentration involving dense media and gravity separation, magnetic and electrostatic separation and ore sorting techniques. Froth flotation of minerals, coagulation, flocculation, agglomeration, dewatering of concentrates and tailings disposal are covered.

*Lectures: 3 hours per week; workshops/laboratories: 4 hours per week.*

*External: Internet access and compulsory 5-day on-campus laboratory/workshop sessions. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy; M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra; EXM224 Principles of Unit Operations; OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.*

*Co-requisite: Internet access if studying externally.*

**Mineral Processing (EXM504)****As for EXM301 except:**

Credit Points: 3

Murdoch: S1-internal, S1-external

Lectures: 3 hours per week.

Prerequisites: Enrolment in the Graduate Diploma of Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

Exclusions: EXM301 Mineral Processing.

**Mineral Science Practicum (EXM507)**

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit comprises a series of practical laboratory sessions that consolidate the theory and practice of mineral processing. Laboratory exercises will focus on mineral and rock identification, crushing, grinding, classification, physical and physicochemical methods of separation and concentration, dewatering and drying. A series of exercises examining fluid flow, viscosity, mass transfer and reactor mixing will be completed. Students will work with industry-relevant mineral processing equipment. Practical, laboratory, experimental design, data analysis and scientific report-writing skills will be developed.

Students will be expected to spend significant time outside of timetabled sessions preparing for and reporting on timetabled sessions.

Laboratories: 6 hours per week.

External: Internet access required and compulsory 10-day on-campus laboratory and workshop session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in Graduate Diploma Extractive Metallurgy.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed both EXM301 Mineral Processing and EXM302 Advanced Mineral Processing are excluded from this unit.

**Mining and Natural Resources Law (LAW335)**

Credit Points: 4

Murdoch: S1-internal

This unit surveys the legal regimes that govern the allocation, management, and conservation of natural resources in Australia, with a particular focus on Western Australia. It examines the ownership of and allocation of rights and interests in minerals and petroleum, as well as conservation and native title laws and their impact on resource projects. The unit also reviews legal regimes governing the management and conservation of water resources.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

**Modelling and Simulation (MAS375)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit develops skills in mathematical modelling and simulation of various dynamical systems (including mechanical, thermal, process, biological, biomedical, economic, financial, stochastic and discrete event systems) and introduces control systems, parameter estimation and Monte Carlo simulation. Applications include vehicle vibrations, central heating, fisheries, epidemics, drug infusion, traffic and stock price models. Central to the unit is the practical use

of the computer packages MATLAB and Simulink for the numerical solution and simulation of the systems.

Lectures/tutorials/laboratories: 4 hours per week.

Prerequisites: M161/MAS161 Calculus and Matrix Algebra or A208/MAS208 Mathematical Modelling or both M167/MAS167 Computational Mathematics and M182/MAS182 Applied Mathematics. Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either of MAS164 Fundamentals of Mathematics or MAS182 Applied Mathematics concurrently.

**Modelling and Simulation of Industrial Processes (ENG618)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit is designed to build upon previous learnings in process modelling and simulation, by studying a range of advanced concepts, techniques and using computer based simulation tools. The material reflects processes from the chemical, metallurgical, oil and gas industries. This is a project based unit.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

**Modern Japanese History (HIS210)**

Credit Points: 4

Murdoch: S1-internal, S1-external

In this unit we analyse the critical social, political and economic changes in Japan from the 1850s through to the post-war period. Themes include crisis of the old society; process of 'modernisation from above' and its social costs; nature of Japanese imperialism; critics of the Japanese state and their fate; emergence of a modern culture in the 1920s; transition to the authoritarianism of the 1930s; the home-front during World War II; and the experience of post-war occupation.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. No knowledge of Japanese language is assumed.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Modern Japanese History (HIS610; was HIS410)****As for HIS210 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Modern Physics (PEC231)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit's aim is to study the basis of modern physics. Topics: special relativity wave mechanics, introductory quantum theory including one and three dimensional systems, matter as particles and waves, basic quantum theory for one and three dimensional systems, the hydrogen atom, atomic structure and chemical bonding. Students will be required to complete experimental projects during the unit.

Lectures: 2 hours per week; workshops: 2 hours per week.

External: no attendance requirement.

Prerequisites: M161/MAS161 Calculus and Matrix Algebra and PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed M211 Quantum Theory may not enrol in this unit for credit.

### Modern Political Thought (POL223)

Credit Points: 4

Murdoch: S2-internal, S2-external

Thinking about politics inevitably leads us to address three key questions: What are people really like? What is the good life? How do we organise society to ensure that everyone has a chance at the good life? The answers to these questions are examined from a number of important modern political thinkers in the liberal and socialist traditions, as well as the nature of modern thinking about politics in order to deepen our own thinking about politics.

Up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S223 Modern Political Thought may not enrol in this unit for credit.

### Modern Theories of the State (POL260)

Credit Points: 4

Not available 2011

Examine major theoretical frameworks for the analysis of the state and its roles in society. Each of these frameworks provides different answers to the questions of how states operate and how significant they are in determining social outcomes. The main frameworks dealt with are: welfare liberalism, economic rationalism, Marxism, elitism (including authoritarianism and totalitarianism) and feminism. Students will have the opportunity to apply one theory of the state to political events in a country of their choice.

Up to 4 hours per week.

Prerequisites: Nil.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Modern Theories of the State (POL660; was POL460)

As for POL260 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Molecular Design (PEC349)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit extends on concepts introduced in PEC238 Organic Structures and Reactivity. Topics include organic synthesis, biosynthesis, medicinal chemistry and drug design principles, natural products chemistry and polymerisation processes. Stereochemistry and structure elucidation of organic compounds will be covered at a more advanced level. The subject material will be of interest to students in disciplines where an understanding of organic compounds is important. Such disciplines include: chemistry, molecular biology, biomedical sciences, pharmacy and drug discovery, environmental science, nanoscience and forensics.

Lectures/tutorials: 3 hours per week; laboratory/workshop: up to 4 hours

per week for up to 10 weeks.

External: compulsory 5 day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the offering.

Prerequisites: PEC238 Organic Structures and Reactivity.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed PEC349 Biomolecular Design may not enrol in this unit for credit.

### Molecular Genetics (BIO316)

Credit Points: 4

Murdoch: S1-internal

In this unit we examine at an advanced level how the genetic material controls various activities in bacterial, plant and animal cells. Topics in the lecture component include DNA replication; DNA recombination; regulation of gene expression; molecular mechanisms of development, stress tolerance and signal transduction; mutation and DNA repair. The laboratory component consists of a research project where students have an opportunity to plan and execute a research problem. In the bioinformatics component students learn exploiting information from DNA databases.

Lectures: 3 hours per week; laboratories: a project requiring full-time attendance during a non-teaching week; workshops: 1 hour per week in 9 weeks.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: BIO212 Genetic Engineering or ANS252 Animal Molecular Biology

Exclusions: Students who have successfully completed N202/BIO202 may not enrol in this unit for credit.

Laboratory attendance is required in one of the non-teaching weeks.

### Molecular Therapeutics (PHA322)

Credit Points: 2

Not available 2011

This unit introduces models of new and experimental drug regimes, recognising the concept of the molecular basis of therapy and new approaches to biomedical research. It provides knowledge of molecular biology and its application to elucidate mechanisms of various disease states and information that may be used in new treatments. Topics to be studied will include the human genome, the exploration and manipulation of genes, the molecular basis of disease and pharmaceutical biotechnology and case studies of major disease states.

Lectures/tutorials: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: PHA303 Pharmaceutical Chemistry III; completion of 2nd year of Bachelor of Pharmacy.

### Molecular Therapeutics (PHA622; was PHA522)

As for PHA322 except:

Credit Points: 2

Not available 2011

Prerequisites: PHA603 Pharmaceutical Chemistry III; enrolment in the Master of Pharmacy and completion of 1st year.



**Moot Court Bench (LAW314)**

Credit Points: 4

Murdoch: H-internal (quota of 12 places), Y-internal (quota of 12 places)

Promote excellence in written and oral advocacy skills by performing advocacy related administrative, adjudicative, coaching, research and editing tasks. Consists of 12 students overseen by senior staff members, notable barristers and distinguished judges (the Moot Court Committee) who provide advice and assistance to ensure professionalism of the Bench. Students are involved in coaching moot teams, developing advocacy skills, organising lectures, arbitrating and judging, publishing a Moot Court Bench Newsletter, producing a Moot Court Bench Mooting Manual, writing/editing Moot problems.

Meetings as required.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, plus permission of Unit Coordinator.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mooting ability; Demonstrated administrative experience; Demonstrated knowledge of foreign languages and legal systems.

**Multimedia Client Project (MCC338; was MUL338)**

Credit Points: 4

Murdoch: S1-internal

This unit focuses on developing project management skills in multimedia environments. Students participate in client-based group production work in areas such as interactive video, advanced website design construction, animation, game authoring and interactive educational applications.

Lectures: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: MCC218 Web Games Design and Production (or MCC218 Interactive Multimedia II); MCC241 Animation (or MUL241 Multimedia Design I); MCC263 Web Design OR MCC251 Interactive Multimedia (or MUL217 Interactive Multimedia I).

Exclusions: Students who have successfully completed MUL338 Advanced Multimedia Workshop may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Multimedia Client Project (MCC638; was MUL538)**

**As for MCC338 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MUL538 Advanced Multimedia Workshop may not enrol in this unit for credit.

**Multimedia Studio (MCC339; was MUL339)**

Credit Points: 4

Murdoch: S2-internal

This final unit provides an opportunity for students to engage in a professional quality creative multimedia project for a vocational portfolio. Students must choose a production area in which they already have some expertise. Alongside their production students are also expected to research and contextualise their work in a research essay.

Laboratories: 1.5 hours per week.

Prerequisites: MCC218 Web Games Design and Production (or MCC218

Interactive Multimedia II).

Highly recommended: MCC338 Multimedia Client Project (or MUL338 Advanced Multimedia Workshop).

Exclusions: Students who have successfully completed MUL339 Multimedia Project may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit

**Multimedia Studio (MCC639; was MUL539)**

**As for MCC339 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Permission of the Unit Coordinator.

Exclusions: Students who have successfully completed MUL539 Multimedia Project may not enrol in this unit for credit.

**Music Technology (MCC268)**

Credit Points: 4

Murdoch: S1-internal (quota of 45 places)

A practical opportunity to develop skills that can be applied in creative media, multimedia, screen and sound production. Topics include sampling, sequencing, synthesisers, loop-based composition and virtual instruments. Historical and technological developments will be analysed and the influence of pioneering artists will be examined and their work critiqued. Combining analysis and hands-on content creation, the emphasis is on creative skills and familiarity with the tools to create audio and musical content for various media.

Lectures: 1 hour per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have completed MCC2601 Special Topics in Media: Music Technology may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity. Priority 1: Preference will be given to students enrolled in Sound Major or Sound Minor Priority 2: Preference will be given to students enrolled in BMedia and BDigitalMedia

**Music Technology (MCC568)**

**As for MCC268 except:**

Credit Points: 4

Murdoch: S1-internal (quota of 45 places)

Prerequisites: Enrolment in a postgraduate course.

This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity.

**Narrating the Nation: Media, Identity, Culture (MCC231; was MED231)**

Credit Points: 4

Not available 2011

Nations and national identity form and evolve over time, but what are the ways of constructing the nation not only to its constituent citizens but also international audiences?

This unit considers the shifting array of media and cultural forms promoted by government, industry and communities to develop, maintain and challenge assumptions about homogenising modes of national identity. Drawing from national cinemas, television, arts and culture, the Australian nation-state will be examined and contrasted with that of other territories.

Lectures: 1 hour per week; tutorials: 1.5 hours per week; screenings: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED231 Australian Cinema may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Narrating the Nation: Media, Identity, Culture (MCC531; was MED431)**

**As for MCC231 except:**

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MED431 Australian Cinema may not enrol in this unit for credit.

### **Narrative: Fiction and Film (EGL237)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit is based on close readings of a range of significant novels and examines in some detail the relationship between narrative and cinema. The unit is also a study of the development of the English/European novel from realism to modernism and postmodernism. Questions about narrative structure, generic patterns, literary and filmic realism, author/auteur theory, and narrative theory generally will be taken up in some detail. Students acquire skills in reading and interpreting novel and film.

Lectures: 1 hour per week; seminars: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Native Title Law (LAW305)**

Credit Points: 4

Murdoch: SP17-internal

A comprehensive examination of the native title system: the concept of native title as developed in various common law jurisdictions, including Canada, United States and New Zealand; the meaning of native title in these jurisdictions compared with Australia; the legislative response to native title, the Native Title Act (C'th) 1993 and the establishment of the National Native Title Tribunal (NNTT), Aboriginal Representative Bodies and the Indigenous Land Corporation (ILC); the mediation process and cross-cultural negotiations with Aboriginal native title holders.

Taught intensively over one week: refer to the teaching timetable for details.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

### **Nature-Based Tourism (ENV279)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Nature-based tourism relies on the natural environment. The importance of ecology and ecological processes for maintaining the natural environment on which nature-based tourism depends is explored in detail. Planning frameworks for sustainable nature-based tourism, such as the Limits of Acceptable Change and the Tourism Optimisation Management Model, are explored and

applied. This exploration is linked to gaining an appreciation of the impacts of nature-based tourism and how these can be managed. Interpretation is discussed as a key management element.

Lectures: 2 hours per week; tutorials: 1 hour per week; practical work: 2 field trips each of a half-day duration.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Negotiation (LEG208)**

Credit Points: 4

Murdoch: S2-internal (quota of 50 places)

This unit examines the legal framework surrounding negotiation in both adversarial and transactional contexts and helps students develop negotiation skills. It teaches students how to prepare for and conduct themselves in negotiations, analyse the course of negotiations and discover the causes of failed negotiations and enhance their skills through role playing, reflection and feedback. It examines key issues related to negotiation such as the role and duties of representatives, negotiation ethics and the place of negotiation in the legal system.

Lectures and workshops: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: LLB or Juris Doctor students may not enrol in the lower-level version for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference may be given to students in Legal Studies in their final year.

### **Negotiation (LAW408)**

**As for LEG208 except:**

Credit Points: 4

Murdoch: S2-internal (quota of 50 places)

Prerequisites: Enrolment in the Graduate Certificate in Dispute Resolution OR L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedures, and L260/LAW260 Contract.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference may be given to students in Law in their final year.

### **Network Security (ICT362)**

Credit Points: 4

Murdoch: S1-internal

The unit examines current security threats to organisations and the necessary security processes required to mitigate these threats. Topics covered include: security policy design and management; security technologies, products and solutions, firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; and virtual private networks.

Lectures: 2 hours; tutorials: 2 hours.

Prerequisites: ICT120 Principles of Data Communications.

Postgraduate students should enrol in the higher-level code for this unit.

**Network Security (ICT672; was ICT562)****As for ICT362 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: ICT535 Advanced Business Data Communications and enrolment in postgraduate IT course.

**Network Switching (ICT363)**

Credit Points: 4

Murdoch: S1-internal

This unit examines multilayer switched networks from the perspective of design, management and redundancy. Topics include VLANs, Inter VLAN routing, 802.1Q trunking, Spanning Tree Protocol, network security and scalable design. Quality of service is examined in the context of voice over IP.

Lectures: 2 hours; tutorials: 2 hours.

Prerequisites: ICT120 Principles of Data Communications.

This unit forms part of the Cisco Certified Network Professional (CCNP) certification program.

Postgraduate students should enrol in the higher-level code for this unit.

**Network Switching (ICT663; was ICT563)****As for ICT363 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in a postgraduate IT course; ICT535 Advanced Data Communications OR C540 Advanced Data Communications.

This unit forms part of the Cisco Certified Network Professional (CCNP) certification program.

**Neuromuscular Rehabilitation (CHI453)**

Credit Points: 2

Murdoch: T2-internal

This unit will provide the student with an advanced understanding of neuromuscular assessment and neuromuscular rehabilitation techniques. The student will be provided advanced information concerning neuromuscular conditions and diseases that limit physical function. The learner will be provided with the necessary skills to devise a rehabilitation program for a range of individuals with neuromuscular disorders.

Lectures: 2 hours per week; laboratories/workshops: 2 hours per week.

Prerequisites: CHI317 Principles of Rehabilitation, CHI318 Exercise Programming and Prescription, and CHI209 Biomechanics and Manual Skills.

**Neuromusculoskeletal Rehabilitation in Overview (CHI680)**

Credit Points: 4

Murdoch: H-external, Y-external

This unit builds on the principles and practice of neuromusculoskeletal rehabilitation taught in CHI681. The principles of developmental kinesiology will be explored further and the facilitation of muscular agonist-antagonist co-activation by reflex stimulation methods and exercise will be highlighted. Advanced approaches to the assessment and management of muscle imbalance will also be explored. Contemporary methods of assessing therapeutic outcomes in the clinical setting and an introduction to clinical epidemiology and critical reasoning will be presented.

External.

Prerequisites: Completion of Chiropractic degree or equivalent; CHI681 Principles and Practice of Neuromusculoskeletal Rehabilitation; CHI682 Neuromusculoskeletal Rehabilitation of the Lower Body; and CHI683 Neuromusculoskeletal Rehabilitation of the Upper Body.

Co-requisite: Internet access if studying externally.

Students enrolled in the Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6801.

**Neuromusculoskeletal Rehabilitation in Overview (CHI6801)****As for CHI680 except:**

Credit Points: 4

CEASYDNEY: H-external, Y-external

Prerequisites: Completion of Chiropractic degree or equivalent; CHI681 Principles and Practice of Neuromusculoskeletal Rehabilitation; CHI682 Neuromusculoskeletal Rehabilitation of the Lower Body; and CHI683 Neuromusculoskeletal Rehabilitation of the Upper Body.

Co-requisite: Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI680.

**Neuromusculoskeletal Rehabilitation of the Lower Body (CHI682)**

Credit Points: 4

Murdoch: H-external, Y-external

The principles and practice of neuromusculoskeletal rehabilitation for the lower body are presented in a practical, experiential manner with emphasis on active care including topics on functional stability training, functional integrative training and therapeutics for the lumbar spine based on responses to spinal loading. The development and utilisation of the clinical audit is highlighted.

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

Students enrolled in the Postgraduate Certificate or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6821.

**Neuromusculoskeletal Rehabilitation of the Lower Body (CHI6821)****As for CHI682 except:**

Credit Points: 4

CEASYDNEY: H-external, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI682.

**Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI684)**

Credit Points: 4

Murdoch: H-external, Y-external

Builds on the principles and practice of neuromusculoskeletal rehabilitation for the lower body taught in CHI682. Develop an advanced level of functional assessment of the lower body. Motor systems incorporating local and global stability dysfunction will be investigated and strategies to manage the dysfunction will be explored.

Other clinical approaches will include the examination and management of syndromes resulting from adverse neural tension in the lower limbs and mobilisation and relaxation techniques for pain

of spinal origin (lumbar and pelvis).

External.

*Prerequisites:* Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

*Co-requisite:* Internet access if studying externally.

Students enrolled in the Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6841.

### **Neuromusculoskeletal Rehabilitation of the Lower Body II (CHI6841)**

*As for CHI684 except:*

Credit Points: 4

CEASYDNEY: H-external, Y-external

*Prerequisites:* *Co-requisite:* Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI684.

### **Neuromusculoskeletal Rehabilitation of the Upper Body (CHI683)**

Credit Points: 4

Murdoch: H-external, Y-external

The principles and practice of neuromusculoskeletal rehabilitation for the upper body are presented in a practical, experiential manner with emphasis on active care including topics on functional stability training, functional integrative training, mobilisation and relaxation techniques for pain of spinal origin (head and neck) and therapeutics for the cervico-thoracic spine based on responses to spinal loading. The development and utilisation of the clinical audit is highlighted.

External.

*Prerequisites:* Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

*Co-requisite:* Internet access if studying externally.

Students enrolled in the Postgraduate Certificate or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6831.

### **Neuromusculoskeletal Rehabilitation of the Upper Body (CHI6831)**

*As for CHI683 except:*

Credit Points: 4

CEASYDNEY: H-external, Y-external

*Prerequisites:* *Co-requisite:* Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI683.

### **Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI685)**

Credit Points: 4

Murdoch: H-external, Y-external

Builds on the principles and practice of neuromusculoskeletal rehabilitation for the upper body taught in CHI683. Develop an advanced level of functional assessment of the upper body. Motor systems incorporating local and global stability dysfunction will be investigated and strategies to manage the dysfunction will be explored.

Other clinical approaches will include the examination and management of syndromes resulting from adverse neural tension in

the upper limbs and, mobilisation and relaxation techniques for pain of spinal origin (thorax).

External.

*Prerequisites:* Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

*Co-requisite:* Internet access if studying externally.

Students enrolled in the Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6851.

### **Neuromusculoskeletal Rehabilitation of the Upper Body II (CHI6851)**

*As for CHI685 except:*

Credit Points: 4

CEASYDNEY: H-external, Y-external

*Prerequisites:* *Co-requisite:* Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI685.

### **New Directions; Healthy for Life (MID606)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit is based on developing health approaches in a primary health care context. Students will develop an understanding of the provision of education, training and support on population health approaches to maternal and child health, thus reducing the incidence of chronic adult disease. Good maternal health is fundamental to good health outcomes for children, thus students will explore the importance and provision of antenatal care with particular focus on Indigenous women and marginalised and disadvantaged non-Indigenous women.

*Lectures:* 2 hours per week; *tutorials:* 2 hours per week.

*Prerequisites:* Enrolment in a Postgraduate Course.

*Co-requisite:* Internet access if studying externally.

### **New Media Technologies (MCC315)**

Credit Points: 4

Murdoch: S2-internal, S2-external

KDUPJ: S2K-internal

SGP1: T2B-internal

This unit teaches students how to describe and evaluate changes to communication technology and media. Students will be exposed to pivotal studies in new media, and will gain practical skills in detailing changes to the Web, explaining the historical, cultural and social factors affecting mobile media, exploring collaborative media, and critically appraising the effects of new media on culture and user psychology.

*Lectures:* 1 hour per week; *workshops* 1.5 hours per week. *Note:* Lectures and tutorials for this unit commence in Week 1 of the semester.

*Prerequisites:* MCC108 Introduction to Communication and Media OR MCC118 Visual Communication (or MUL118 Principles of Multimedia).

*Co-requisite:* Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **New Media Technologies (MCC615)**

*As for MCC315 except:*

Credit Points: 4

Murdoch: S2-internal, S2-external

*Prerequisites:* Enrolment in an Honours, Graduate or Postgraduate

course.

Co-requisite: Internet access if studying externally.

### **New Testament and its World (THE102)**

Credit Points: 3

Murdoch: S2-internal, S2-external

Introduces students to the literature of the New Testament, including an overview of the contents and major themes of the writings and study of selected passages. The unit also introduces students to the socio-economic, political, and wider religious setting of the writings as well as their relationship to the life and ministry of Jesus of Nazareth and of the first century church. Students are introduced to the main methods and issues in modern study of the New Testament.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **New Testament Greek I (THE103)**

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit introduces students to the major features of Hellenistic Greek as reflected in the writings of the New Testament. On completion of this unit students should be able to recognise the more common grammatical structures and vocabulary of the language of the New Testament.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **New Testament Greek II (THE203)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit completes the student's introduction to New Testament Greek, provides practice in translation of selected passages and an introduction to New Testament textual criticism. On completion, students should be able to read the New Testament in Greek with the assistance of standard aids.

Lectures/tutorials: 4 hours per week.

Prerequisites: S103/THE103 New Testament Greek I.

Co-requisite: Internet access if studying externally.

### **Newsroom (MCC323; was JOU323)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

DUBAI-ISC: N2-internal

SGP1: T1B-internal, T3B-internal

This unit involves advanced news writing for publication. Students will work in the on-campus newsroom to produce stories for Murdoch's online news service The Murdoch Independent.

Lectures: 1 hour per week; workshops: 2 hours per week; additional production time in the newsroom.

Prerequisites: MCC217 Web News Production or JOU220 Principles of Journalism; AND MCC245 Media Law and Ethics (or JOU345 Media Law and Ethics) (may be studied concurrently). Or permission from the Unit Coordinator.

Exclusions: Students who have successfully completed JOU323 Print News may not enrol in this unit for credit.

### **Newsroom (MCC623)**

As for MCC323 except:

Credit Points: 4

Murdoch: S1-internal, S2-internal

Workshops: 2 hours per week. Additional production time in the newsroom.

Prerequisites: Enrolment in Postgraduate Diploma in Journalism or by permission of the Unit Coordinator.

This unit replaces MCC541 News Reporting and Writing.

### **Next Life (FDN107)**

Credit Points: 3

Murdoch: S1-internal, S1-external

DUBAI-ISC: N1-internal, N2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S1K-internal

Can you remember a time before Google, Facebook, YouTube, mobile phones? Think how previous generations lived. You will soon be the next generation, and technologies not yet invented will affect your life. Will you be prepared for your 'next life' - or left behind? This unit asks: (1) How are interactions with technologies shaping our social and personal lives? (2) How are technologies empowering/disempowering individuals and communities? (3) How is knowledge changing? (4) How is society remaking itself?

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### **Nursing Bioscience I (NUR102)**

Credit Points: 3

Peel: S2-internal

This unit will introduce the student to the anatomy and physiology of the human body. It will include the fundamental language, terminology, characteristics and underlying mechanisms related to the structure and function within each system including skin, muscular, cardiovascular, upper and lower limbs, skeletal, endocrine and immunological systems.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Nursing.

### **Nursing Bioscience II (NUR104)**

Credit Points: 3

Peel: S2-internal

This unit will develop the students knowledge base of anatomy and physiology and introduce the concept and principles of pathophysiology and pharmacology. This unit has been designed to provide students with a more in-depth and complex approach to human body systems.

Lectures: 2 hours per week; workshop: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Nursing.

### **Nursing Research Writing (NUR461)**

Credit Points: 4

Peel: S1-internal, S2-internal

This unit is aimed at developing students' research skills in terms of rigour and comprehension. It also assists students to develop writing and presentation skills. In addition the unit will guide students in developing skills in argument in defence.

Tutorials: 4 hours per week.

Prerequisites: Enrolment in an honours or postgraduate course.

### Nursing Research Writing (NUR661)

As for NUR461 except:

Credit Points: 4

Peel: S1-internal, S2-internal

### Nursing Specialties (NUR305)

Credit Points: 4

Peel: DE9-internal

This unit will focus on a range of complex nursing skills and clinical decision making to support students when in acute care settings such as accident and emergency, high dependency, intensive care, renal dialysis, perioperative nursing, oncology and palliative care.

Lectures: 2 hours per week; workshops/laboratories: 2 hours per week.

Prerequisites: NUR225 Medical and Surgical Nursing II - Clinical Placement. Students should note that NUR225 has a prerequisite of completion of Part I Nursing units, NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR202 Fundamentals of Pathophysiology and Pharmacology II, NUR203 Medical and Surgical Nursing I, NUR223 Medical and Surgical Nursing 1 - Clinical Placement and NUR205 Medical and Surgical Nursing II.

### Nursing Specialties -- Clinical Placement (NUR335)

Credit Points: 1

Peel: DE9-external

Students will demonstrate learned knowledge, essential nursing skills and competencies within the speciality arenas (perioperative, ICU, CCU, ED, HDU). Students will be allocated to a clinical placement under the supervision of a preceptor and clinical nurses educator and will utilise an objective student professional performance tool based on ANMC National Competency Standards (2006) for the Registered Nurse.

Clinical Practicum: Total contact time : 120 hours (8 hours x 15 days).

Prerequisites: NUR305 Nursing Specialties. Students who are not concurrently enrolled in NUR305 must undertake revision of the necessary clinical skills in consultation with the Unit Coordinator before undertaking this placement. Students should note that NUR305 has a prerequisite of completion of Part I Nursing units, NUR201 Fundamentals of Pathophysiology and Pharmacology I, NUR202 Fundamentals of Pathophysiology and Pharmacology II, NUR203 Medical and Surgical Nursing I, NUR223 Medical and Surgical Nursing 1 - Clinical Placement, NUR205 Medical and Surgical Nursing II and NUR225 Medical and Surgical Nursing II - Clinical Placement. Co-requisite: Internet access if studying externally.

A result of Ungraded Pass or Fail is awarded for this unit.

### Nutrition (CHI213)

Credit Points: 2

Murdoch: S1-internal

Nutrition is one the major determinants of health and well-being in our society and in other countries of our region. This unit provides an introduction to nutrition topics relevant to chiropractic and sports science students. Students will gain an understanding of the nutrition situation in Australia, nutritional tools and resources including Australian dietary guidelines, nutrition recommendations and assessment. Upon completion, students will be able to apply the basic principles of nutrition and sports nutrition in their professional practice.

Lectures: 2 hours per week; tutorials/workshops: 2 hours per week.

Prerequisites: Nil.

### Occupational Health and Safety (ENV350)

Credit Points: 4

Murdoch: S2-external

This unit covers applied aspects relevant to industrial and occupational health and safety. The work environment, safety and hazard analysis, occupational health and safety monitoring and regulations, and measurement and assessment of industrial and occupational environments will be studied. Topics will include noise, heat, ionising radiation, and other occupational, health and safety theory and practical work. Several practical sessions at industrial plants will be conducted to provide industrial experience.

Lectures: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Occupational Health and Safety (ENV650)

As for ENV350 except:

Credit Points: 4

Murdoch: S2-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

### Occupational Health and Safety Law (MBS623)

Credit Points: 4

Murdoch: W-internal, W-external

This unit explores the statutory requirements of occupational health and safety in the Australian workplace, focussing on the role law has in preventing work related injury and disease. It will examine the responsibilities of both employers and employees and discuss policy issues. Workers compensation and rehabilitation are also studied.

Seminars: 6 hours (2 x 3 hours) per week for winter term.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Oceanography and Marine Pollution (ENV282)

Credit Points: 4

Murdoch: S2-internal (quota of 60 places)

Initially, this unit discusses the physical and chemical properties of sea water, oceanic circulation, coastal bathymetry, currents, tides, waves, storms, surges and oceanic measurements along with pollution transport and diffusion. This underpins an examination of a theoretical background to natural ecosystem processes and pollution effects in the marine system. Topics: eutrophication, thermal effluent and sediment, oil, metals and halogenated hydrocarbons. Field work provides students with the opportunity to undertake practical oceanographic sampling.

Lectures: 2 hours per week; practical work: 3 hours per week.

Prerequisites: BIO180 Introduction to Marine Biology, ENV213 Atmospheric Science, and PEC144 Chemical Principles or PEC115 Chemistry for Environmental Science.

Exclusions: Students who have successfully completed ENV204 Principles of Oceanography and Marine Pollution may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to boat space (occupational health and safety limits on boat numbers) and limited laboratory space. Selection is based on academic achievement in ENV213 Atmospheric Science.

**Old Testament Exegesis (THE284)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit provides detailed study of major blocks of material from the Old Testament, enabling students to develop skills in a variety of exegetical approaches while examining literary, historical, sociological and theological features. There will be opportunity to use Biblical Hebrew, but ability to read Hebrew is not essential and is not part of assessment. Each semester will have a different focus, and the unit may be taken more than once, with different content.

Lectures/seminars/tutorials: 3 hours per week.

Prerequisites: S100/THE100 Life and Literature of Ancient Israel.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed this unit or S216 Pentateuch or S235 Poetical Literature of Ancient Israel or S236 Wisdom Literature of Ancient Israel may enrol in the parallel 200-level unit for credit and vice versa where the selected writings are different.

**OnTrack (EQUo6o)**

Murdoch: S1-internal, S2-internal

Peel: S2-internal

Rockingham: S1-internal

The success of students transitioning university is conditioned by their imagination, knowledge and understanding of their environment. OnTrack reflects on the individual's footprints leading them to university, imagines a future and critically examines how this will be achieved sustainably.

Sustainability is the core concept. Looking toward a more sustainable future economically, socially and environmentally, students work within and through these strands to develop core competencies to sustain their studies. These include critical thinking, research, referencing, essay writing and time management.

Lectures/tutorials: Full-time 3 days per week, additional 1 day per week for ESL students.

Prerequisites: Nil.

**Operating Systems and Systems Programming (ICT31o)**

Credit Points: 4

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T1A-internal

This unit aims to provide an understanding of the design and implementation of modern operating systems and how they provide an interface to computer hardware resources. It also covers the use of operating systems service routines to construct efficient systems programs. Topics include: process management, memory management, mechanisms for interprocess communications, file systems and protections, network programming using sockets and the UNIX system call interface.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT104 Principles of Computer Science and ICT106 Fundamentals of Computer Systems. Students are encouraged to complete ICT209 Data Structures and Abstractions before taking this unit.

Co-requisite: Internet access if studying externally.

**Operation and Control of Power Systems (ENG455)**

Credit Points: 4

Murdoch: S1-internal

This unit studies the fundamental concepts associated with the operation and control of power systems. These concepts include reactive power compensation, economic dispatch, power flows and

optimal load flow, stability and protection. A core element of this unit is a significant team project that is carried out under the direction and guidance of consulting professional engineers.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: ENG267 Control Systems and Process Dynamics; ENG348 Power Transmission and Distribution Networks.

Co-requisites: ENG347 Electromechanical Energy Conversion; ENG349 Power Electronic Converters and Systems.

Summer Offering: enrolment only by permission of the Engineering Academic Chair.

**Operation and Control of Power Systems (ENG655)**

As for ENG455 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: ENG547 Electromechanical Energy Conversion; ENG549 Power Electronic Converters and Systems; ENG548 Power Transmission and Distribution Networks.

Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Opportunities with e-learning (EDU475)**

Credit Points: 4

Murdoch: W2-internal

Emerging technologies such as blogs, podcasts, and interactive white board are changing the educational technology landscape and generating new opportunities and challenges for learning. Instructors across educational sectors are exploring and sharing innovative ways to use technology to foster interaction, collaboration, and increased excitement for learning. This unit invites participants to engage with the range of issues facing educators in the e-learning age, reflect on their practices and develop strategies for effectively integrating new technologies at their own institutions.

Face to face: 1 week intensive plus online.

Prerequisites: Enrolment in a School of Education degree or permission of the Unit Coordinator.

Online.

**Opportunities with e-learning (EDU675)**

As for EDU475 except:

Credit Points: 4

Murdoch: W2-internal

The compulsory on-campus component will be shown on the School of Education web site.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

**Organic Structures and Reactivity (PEC238)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Many pharmaceutical and agricultural chemicals are derived from natural products. This is sometimes a result of long traditional use of a plant as a medicine. Today the active ingredient is usually extracted, identified and synthesised. This unit introduces the organic chemistry techniques and concepts used to identify the structure of such compounds, determine their stereochemistry and synthesise them. Topics include stereochemistry and structure



elucidation of organic compounds, reactivity of organic functional groups, reaction mechanisms and biological molecules.

*Internal:* Lectures/tutorials: 3 hours per week; laboratories/workshops: up to 4 hours per week for up to 10 weeks.

*External:* compulsory 5-day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.

*Prerequisites:* PEC114 Chemistry for Biological Sciences or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed PEC238 Biological Chemistry may not enrol in this unit for credit.

### Organisation of Work (PSY552)

*Credit Points:* 3

*Murdoch:* S2-internal

This unit aims to develop the student's understanding of the organisational, social, cognitive and behavioural dimensions of work and the workplace. Topics include work motivation, satisfaction and commitment, team and group processes, leadership, power and decision-making, workplace relations, conflict management and organisational learning. The unit also explores the broader nature of work organisations and organisational change and its management. The instructional content of the unit and the evaluation components reflect a balance between theory and applied knowledge and skills.

*Seminars:* 3 hours per week.

*Prerequisites:* Enrolment in PgCertOHRs or PgDipConsultPsych or MAppPsych or MAppPsych/PhD or DPsych, or with the permission of the Academic Chair.

### Organisational Behaviour and Management (MBS508)

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external  
*DUBAI-ISC:* TD1-internal

*KAPLAN-SGP:* T1A-internal, T3A-internal  
*SGP1:* T2N-internal

This unit introduces students to concepts and theories of organisational behaviour useful to managers. The unit considers behavioural impacts at the individual, group and organisational levels. Topics include motivation, job attitudes, stress, issues of group processes and relations, leadership, communication, power and conflict, and organisational structure and design. Theories of how to manage the organisation during times of change and development will be a focus. The unit combines lectures and tutorials and has a practical, problem solving and experiential approach.

*Lectures/seminars/workshops:* 3 hours per week for semester 1 and semester 2.

*Prerequisites:* Enrolment in a postgraduate level course.

Students in C1083 Postgraduate Certificate in Business Administration (Masterclass) will be enrolled in MBS5082.

*Co-requisite:* Internet access if studying externally.

### Organisational Behaviour and Management (MBS5082)

### As for MBS508 except:

*Credit Points:* 4

*Murdoch:* W4-internal

*Taught intensively during the Winter term.*

*Prerequisites:* This unit is restricted to students enrolled in C1083 Postgraduate Certificate in Business Administration (Masterclass).

*Exclusions:* Students cannot enrol in both MBS5082 Organisational Behaviour and Management and MBS508 Organisational Behaviour and Management for credit.

### Organisational Change, Management and Consultancy (MBS548)

*Credit Points:* 4

*Murdoch:* SUM-internal, SUM-external

*DUBAI-ISC:* TD1-internal

*KAPLAN-SGP:* T3A-internal

Focuses on the role of organisational consultancy, whether internal or external and the provision of services and methodologies about organisational change. The consultancy process is discussed in terms of adopting an approach that is appropriate for the organisational environment, the consultant client relationship and the needs and capabilities of the client. Topics: legal and ethical issues in consulting, the consulting process, consulting skills, marketing, consulting services, data gathering and analytical techniques, and proposal and consulting report writing.

*Lectures/seminars/workshops:* 6 hours (2 x 3 hours) per week for summer term.

*Prerequisites:* Enrolment in a postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

### Organisational Development and Human Resources Management (BUS240)

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external

*DUBAI-ISC:* N2-internal

*KAPLAN-SGP:* T1A-internal, T2A-internal, T3A-internal

*KDUPJ:* S2K-internal

*SGP1:* T1B-internal, T2B-internal, T3B-internal

This unit aims to explore the choices organisations have for assisting employees to work effectively and adapt to change. The unit introduces the role of human resource management (HRM) to organisation development. Individual, team, HRM and strategic concepts are linked to the strategies and processes organisations and individuals use to proactively promote organisational citizenship throughout change.

*Lectures:* 1 hour per week; *workshops:* 2 hours per week.

*Prerequisites:* BUS145 Principles of Management.

*Co-requisite:* Internet access if studying externally.

### Organisational Psychology: Practicum I (PSY570)

*Credit Points:* 6

*Murdoch:* Y-internal

This unit focuses on practical application of organisational psychology to real organisational issues. The placements will provide experience in core areas of organisational psychology including recruitment and selection, performance management, conflict resolution, team development, training, organisational measurement and development, and human factors. Regular presentations from second year students will provide exposure to real organisational problems and second year placement process. The principal aim is to apply knowledge, experience and research from all aspects of scientific psychology to real organisational



problems.

*Practical placements: 1 day per week (inclusive of non-teaching periods).*

*Prerequisites: Enrolment in MAppPsych, DPsych or MAppPsych/PhD; OR Enrolment in Postgraduate Diploma in Consultancy Psychology where candidate holds a four-year Psychology qualification or equivalent.*

### **Organisational Psychology: Practicum II (PSY603; was PSY503)**

*Credit Points: 12*

*Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal*

Students must complete practical placements in agencies and organisations appropriate to the organisational psychology specialisation. Students will be advised to select placements that will meet APAC and Registration Board requirements. Students will also attend seminars on professional, practical and methodological issues.

*Practical placements: 108 days total; seminars: fortnightly.*

*Prerequisites: Enrolment in MAppPsych (Organisational only) or MAppPsych (Organisational)/PhD.*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Organisational Theory and Behaviour (BUS223)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external, S2-internal, S2-external*

*DUBAI-ISC: N1-internal*

*KAPLAN-SGP: T1A-internal, T3A-internal*

*KDUPJ: S1K-internal, SB4-internal*

*SGP1: T1B-internal, T2B-internal, T3B-internal*

This unit provides a basic understanding of individual and group behaviour in organisations, as well as exploring some organisational theories and management processes. Topics include: individual dimensions of behaviour -- personality, perception and learning, communication and motivation; groups and interpersonal influence -- structure, values, interaction and leadership; and organisational issues such as structure, processes, design, decision making; organisational change and development. Globalisation and sustainability are embedded into this unit as recurring themes.

*Lectures: 1 hour per week; workshops: 2 hours per week.*

*Prerequisites: BUS145 Principles of Management.*

*Co-requisite: Internet access if studying externally.*

*Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.*

### **Orientation Chemistry 1 (EQU011)**

*Murdoch: S1-internal*

This unit is an introduction to the study of chemistry. The basic concepts of chemistry and basic calculations of molecular mass and the mole concept are covered including reaction equations and stoichiometry.

*Lectures/tutorials: 3 hours per week; laboratories: six two-hour sessions.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary or Biomedical Science through the Waardong program, or by permission from the Academic Chair.*

### **Orientation Chemistry 2 (EQU012)**

*Murdoch: S2-internal*

This unit builds upon the basic chemical knowledge gained for EQU011 Orientation Chemistry 1 to cover concepts such as equilibrium reactions, redox reactions, acids and bases and a basic investigation of organic chemistry.

*Lectures/tutorials: 3 hours per week; laboratories: six two-hour sessions.*

*Prerequisites: V111/EQU011 Orientation Chemistry 1. This unit is restricted to Aboriginal and Torres Strait Islander students who entered Veterinary Science through the Waardong program, or by permission of the Academic Chair.*

### **Orientation Science A (KACo68)**

*Credit Points: 3*

*Murdoch: S1-internal*

This unit is designed for students who have little academic knowledge in the area of science. Students will be introduced to science through practical activities in the laboratory and field studies.

*3 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbaradi Aboriginal Tertiary Entrance Course (KATEC).*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Orientation Science B (KACo69)**

*Credit Points: 3*

*Murdoch: S1-internal, S2-internal*

This unit is an introduction to the study of chemistry for those students with little or no background in this subject. On completion of this unit students should have a good understanding of elements and compounds, mass mole calculations, structure and bonding, solids, liquids and gases and energy in chemical reactions. Students will also be introduced to equilibrium in chemical reactions, acids and bases, oxidation and reduction reactions.

*3 hours per week.*

*Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbaradi Aboriginal Tertiary Entrance Course (KATEC).*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Orthopaedics/Neurology (CHI3601)**

*Credit Points: 2*

*Not available 2011*

*Prerequisites: Enrolment in the BHSc in Chiropractic.*

### **Our Mob: Indigenous Families (AIS228)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*Rockingham: S1-internal*

Aboriginal and Torres Strait Islander people have a complex system of family relations. Each person knows their kin and their land. These extended family relationships are the core of Indigenous kinship systems that are central to the way culture is passed on and society is organised. These systems vary across communities, but serve similar functions across Australia. This unit investigates the role that women, Elders, extended families, kinship and children have in the fabric of Aboriginal society and family construct.

*Seminars: 3 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.*

**Our Mob: Indigenous Families (AIS528; was AIS428)****As for AIS228 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed AIS428 Moodeitj Yorgas: Indigenous Women may not enrol in this unit for credit.

**Overseas Aid and International Development (STP204)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Why is aid and development important? How can we make it more effective? What are the differences between humanitarian emergency responses and long term development? How can we encourage people to take ownership for their own sustainable development? What are the barriers to this for them and us? This course aims to give a historical and philosophical grounding to respond to these questions along with practical skills to work in a development context.

Lectures/tutorials: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed STP240/STP440 Special Topics in Sustainable Development: Overseas Aid and International Development in 2005 may not enrol in this unit for credit.

Students enrolled or intending to enrol in MA, Postgraduate Diploma or Postgraduate Certificate courses should enrol in the higher-level code for this unit.

**Overseas Aid and International Development (STP604; was STP504)****As for STP204 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Parasitology (BMS364)**

Credit Points: 4

Murdoch: S2-internal

A unit in applied parasitology that introduces the concept of parasitism and the diversity of organisms. The life cycles and transmission patterns of the major parasites of people and domestic animals in Australia are described. The interaction between hosts and parasites, leading to disease, is covered in detail, as is the treatment of parasitic disease and the development of integrated approaches to parasitic control. Special attention is given to the role of medical research in understanding human parasitic disease.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: Nil. Recommended: N103/BIO103 Environmental Biology or ANS102 Introduction to the Animal Body.

**Parliamentary and Public Sector Internship (SSH322; was POL322)**

Credit Points: 8

Murdoch: S2-internal

A Parliamentary Internship is a cooperative arrangement with the Western Australian State Parliament. Public Policy Internships are a cooperative arrangement with the Western Australian Public Service. Students undertake research with the collective guidance of a member of parliament or public service agency, and an academic supervisor. The research project is supported by a series of seminars which range in focus from considerations of parliamentary government and policy making to the ethics of research.

Up to 3 hours per week.

Prerequisites: High standard of academic performance.

Acceptance into the unit depends upon a demonstrated high standard of academic performance. Students intending to undertake an internship should apply to the Unit Coordinator before the end of Semester 1.

**Parliamentary and Public Sector Internship (SSH522; was POL522)****As for SSH322 except:**

Credit Points: 8

Murdoch: S2-internal

**Pastoral Care (THE245)**

Credit Points: 4

Not available 2011

An introduction to the theory and practice of pastoral care. The unit includes an introduction to listening skills. Topics include death and dying.

Lectures/workshops/tutorials: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed S435 Patterns of Pastoral Care A or S586 Patterns of Pastoral Care B may not enrol in this unit for credit.

**Pastoral Practicum I (THE237)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Theory and practice of ministry within a parish or institutional setting, including experience and reflection under guidance of a supervisor.

Practica: 12 hours per week (11 hours field experience and 1 hour supervision).

Prerequisites: THE107 Thinking Theology. As this is a practical workplace unit, students wishing to enrol in this unit must consult the Unit Coordinator at least six months prior to enrolment.

Co-requisite: Internet access if studying externally.

**Pastoral Practicum II (THE437)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit consists of further experience and reflection in a parish or institutional setting, beyond THE237 Pastoral Practicum I. It provides an opportunity for students who have already completed a major part of their theological studies to exercise skills in ministry under supervision with a view both to developing skills further and to deepening theological awareness of the issues involved in ministry.

Practica: 12 hours per week (11 hours field experience and 1 hour supervision).

Prerequisites: THE245 Pastoral Care or S273 Patterns of Preaching or THE288 Worship and Liturgy. Highly recommended: THE237 Pastoral Practicum I and a major part of the student's theological studies.

Students wishing to enrol in this unit must obtain a full unit outline, and consult the Unit Coordinator with regard to the availability of places within the unit at least six months prior to enrolment.  
Co-requisite: Internet access if studying externally.

### Pastoral Practicum III (THE585)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This practicum offers students further experience and reflection in a parish or institutional setting beyond THE437 Pastoral Practicum II. The unit is designed in particular for people involved in professional ministries. Training in supervision can be provided if there are 12 or more applicants per semester.

Practicum: 12 hours per week.

Prerequisites: Enrolment in Master of Ministry; S437/THE437 Pastoral Practicum II; S245/THE245 Pastoral Care or S273 Patterns of Preaching or S281/THE288 Worship and Liturgy; or the equivalent approved by the Academic Chair. Students wishing to enrol in this unit must obtain a full unit outline from the Unit Coordinator at least six months prior to enrolment.

Co-requisite: Internet access if studying externally.

### Pathology (CHI2621)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

### Pathology and Disease of Production Animals (ANS350)

Credit Points: 4

Murdoch: S1-internal

Pathological processes and their interrelationships that are present in production animals will be examined. This will be linked to general pathology lectures (shared with VET340, CHI301, BMS360) and practical workshops/demonstrations in animal diseases of importance in production animals. A component of the contact time will deal with public health and disease surveillance. Some practical interpretation skills developed through the use of case studies arising from the diagnostic pathology service provided by the School will be taught.

Lectures: 4 hours per week; laboratories: 2 hours per week; workshops: 1 hour per week.

Prerequisites: Enrolment in Bachelor of Animal Science; ANS251 Agricultural Biochemistry and ANS253 Physiology and Anatomy of Farm Animals.

### Patient Management Procedures (CHI3611)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

### Paul and Early Christian Writings (THE240)

Credit Points: 4

Not available 2011

A study of select New Testament writings drawn from the letters attributed to Paul, the General Letters (apart from the Johannine Letters) and the Acts of the Apostles. Attention will be given to the structure, content, and themes of at least one letter from the Pauline corpus in the context of Paul's life and work and of at least one other writing. (There will be opportunity for use of Greek for students who have completed THE103 New Testament Greek I).

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. Recommended: S102/THE102 Introduction to New Testament Studies.

### Perceptions of South-East Asian Society (AST256)

Credit Points: 4

Not available 2011

This unit seeks to develop an awareness of the impact of colonialism on traditional societies in South-East Asia, and the perceptions of the coloniser and colonised of each other, on the basis of literary (novels and short stories) and historical records. Attention will be paid to life and work in traditional South-East Asian societies in the pre-colonial period, patterns of colonial administration and oppression, social and psychological dislocation and the universality of the colonial experience.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Perceptions of South-East Asian Society (AST656)

As for AST256 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Performance and Creative Arts (EGL225)

Credit Points: 4

Murdoch: S2-internal

This unit explores works from a range of genres including: theatre, film, digital art, music, painting, photography and contemporary performance. It questions the relationships between representation and power, race and visibility as well as the role of culture in informing how work is produced and received. Students will analyse works from a range of works and respond to this work either through the development of their own piece of critical writing, or by generating a creative response through performance.

Seminar: 1 hour; and either tutorial: 1.5 hours or workshop: 2 hours.

Prerequisites: Nil.

### Performance and Creative Arts (EGL525)

As for EGL225 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Perspectives on Security and Terrorism (POL192)

Credit Points: 3

Murdoch: S1-internal, S1-external

Introduction to the concepts of security, terrorism and counterterrorism. This unit examines the changing perceptions of security from military force to human security and security in cyberspace. It explains how terrorism undermines human security, subverts societal values, and threatens the society's critical infrastructure. It also analyses the relationship between terrorism and religious tolerance, democracy and international law. It finally examines the phenomena of rogue states and weapons of mass destruction and how international society is expected to address them.

Lectures: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.



**Pharmaceutical Chemistry I (PHA201)**

Credit Points: 3

Not available 2011

Gain an understanding of the key chemical attributes that enable medicinal compounds to be absorbed by the body, be transported and distributed around the body, exert a pharmacological effect at the site of action, and finally be metabolised and eliminated from the body. Investigate the chemical stability of drugs, and apply your knowledge of drug chemistry to the separation and identification of drugs for assessment of purity and decomposition.

Lectures/tutorials: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Pharmacy.

**Pharmaceutical Chemistry I (PHA501; was PHA401)****As for PHA201 except:**

Credit Points: 3

Murdoch: T1-internal

Prerequisites: Enrolment in Master of Pharmacy or Postgraduate Diploma in Pharmaceutical Health Science.

**Pharmaceutical Chemistry II (PHA202)**

Credit Points: 3

Not available 2011

Extend your knowledge of drug chemistry by applying principles to key examples of drugs acting on receptors, enzymes and nucleic acids. The unit deals with drug discovery and design; we investigate modern methods for receptor-directed drug design and combinatorial chemistry and modifications to increase bioactivity. The role of natural products as lead compounds (pharmacognosy) will be a major theme running through the unit, and students will investigate the active principles of common natural products and herbal remedies.

Lectures: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: PHA201 Pharmaceutical Chemistry I; enrolment in the Bachelor of Pharmacy or Master of Pharmacy.

**Pharmaceutical Chemistry II (PHA502; was PHA402)****As for PHA202 except:**

Credit Points: 3

Murdoch: T2-internal

Prerequisites: PHA401/PHA501 Pharmaceutical Chemistry I; enrolment in Master of Pharmacy.

**Pharmaceutical Chemistry III (PHA303)**

Credit Points: 2

Not available 2011

This unit is intended to support pharmacology units and thus assist in providing the graduate with relevant competencies understanding the chemical basis of compounds for the treatment of two major disease states.

Lectures/tutorials: 2 hours per week; laboratories: 1 hour per week.

Prerequisites: PHA202 Pharmaceutical Chemistry II.

**Pharmaceutical Chemistry III (PHA603; was PHA503)****As for PHA303 except:**

Credit Points: 2

Murdoch: T3-internal

Prerequisites: PHA402/PHA502 Pharmaceutical Chemistry II; enrolment in Master of Pharmacy.

**Pharmaceutics I (PHA211)**

Credit Points: 3

Not available 2011

This unit includes introduction to the physical aspects of pharmacy as a basis for the preparation of extemporaneous products such as creams, ointments, solutions, mixtures. Includes knowledge of appropriate labelling and packaging, and understanding of poison schedules. A key component will be a focus on calculations important in pharmacy.

Lectures: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Pharmacy.

**Pharmaceutics I (PHA511; was PHA411)****As for PHA211 except:**

Credit Points: 3

Murdoch: T1-internal

Prerequisites: Enrolment in Master of Pharmacy.

**Pharmaceutics II (PHA212)**

Credit Points: 4

Not available 2011

This unit incorporates the knowledge and skill required for pharmacists to prepare pharmaceutical products in a retail, hospital and industrial environment. Topics: composite understanding of aseptic technique for sterile drug production; cytotoxic handling; theory and preparation of radiopharmaceuticals; code of good manufacturing practice; drug stability; quality assurance and quality control; radiopharmacy; bioequivalence and preservation of formulations; as well as an opportunity to implement these skills in practical classes and laboratory sessions. This fulfils a major competency required by the profession.

Lectures/tutorials: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA211 Pharmaceutics I; enrolment in the Bachelor of Pharmacy.

**Pharmaceutics II (PHA512; was PHA412)****As for PHA212 except:**

Credit Points: 4

Murdoch: ASP3-internal

Prerequisites: PHA411/PHA511 Pharmaceutics I; enrolment in Master of Pharmacy.

**Pharmacology I (PHA233)**

Credit Points: 3

Not available 2011

Principles of pharmacokinetics and pharmacodynamics. Pharmacokinetics examines the movement of a drug over time through the body, aiming to develop an ability to utilise and interpret scientific data (half life, protein binding and volume of distribution) and to calculate values (dosage or creatinine clearance) and thus predict accurate dosages. Pharmacodynamics examines the influence of drug concentrations on the magnitude of drug response, dealing with the interaction of drugs with receptors, their molecular consequences and their effects in the living organism.

Lectures: 2 hours per week; laboratories/tutorials: 2 hours per week.

Prerequisites: Enrolment in Bachelor of Pharmacy.

### Pharmacology I (PHA533; was PHA433)

**As for PHA233 except:**

Credit Points: 3

Murdoch: T1-internal

Prerequisites: Enrolment in Master of Pharmacy.

### Pharmacology II (PHA231)

Credit Points: 3

Not available 2011

Introduces concepts of new and established drug regimens, recognising the concept of the molecular, tissue and whole organ basis of therapy and provides a good understanding of the key mechanistic actions of a wide variety of pharmacological compounds used as therapeutic agents. Topics include respiratory pharmacology, reproduction, gastrointestinal tract and biliary system, cardiovascular, anti-cancer, bone disorders, infections, nervous system.

Lectures/tutorials: 4 hours per week; laboratories: 2 hours per week.

Prerequisites: PHA233 Pharmacology I; enrolment in Bachelor of Pharmacy.

### Pharmacology II (PHA534; was PHA431)

**As for PHA231 except:**

Credit Points: 3

Murdoch: T2-internal

Prerequisites: PHA433/PHA533 Pharmacology I; enrolment in the Master of Pharmacy.

### Pharmacology III (PHA432)

Credit Points: 3

Not available 2011

Continues on the concepts outlined in Pharmacology II. Topics include nervous system (antiepileptics, analgesia, anti-Parkinsonism, anti-Alzheimers); immunomodulating agents (endocrine therapies, immunostimulants, immunosuppressants, thyroid, pituitary); metabolism (vitamins and cofactors, anti-emetics); sensory organs (ophthalmologicals, otologicals); blood and blood forming agents (coagulants, anticoagulants, trombolitics, anaemia); dermatologicals (antipruritics, antifungal, corticosteroids, anti-acne); musculoskeletal (anti-inflammatory, rheumatism, gout, muscle relaxants), drugs of abuse.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA233 Pharmacology I; enrolment in the Bachelor of Pharmacy.

### Pharmacology III (PHA632; was PHA532)

**As for PHA432 except:**

Credit Points: 3

Murdoch: T1-internal

Prerequisites: Enrolment in the Master of Pharmacy and completion of 1st year.

### Pharmacotherapeutics I (PHA351)

Credit Points: 3

Not available 2011

This unit aims to develop student knowledge about

pathophysiology and diagnosis of specific diseases (cardiovascular and gastrointestinal disorders, arthritis, ear, nose and throat conditions as well as common infectious diseases) with specific emphasis on available drug treatments.

Lectures/tutorials: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Pharmacy and completion of 1st year.

### Pharmacotherapeutics I (PHA651; was PHA551)

**As for PHA351 except:**

Credit Points: 3

Murdoch: T3-internal

Prerequisites: PHA433/PHA533 Pharmacology I; PHA441/PHA541 Pharmacy Practice I; PHA421/PHA521 Pharmacy Care; enrolment in Master of Pharmacy and completion of all 1st year units.

### Pharmacotherapeutics II (PHA352)

Credit Points: 4

Not available 2011

This unit develops student knowledge about pathophysiology and diagnosis of specific diseases (respiratory diseases, dermatological conditions and pain management and endocrine diseases, including diabetes) with specific emphasis on available drug treatments.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA351 Pharmacotherapeutics I; enrolment in Bachelor of Pharmacy and completion of 2nd year.

### Pharmacotherapeutics II (PHA652; was PHA552)

**As for PHA352 except:**

Credit Points: 4

Not available 2011

Prerequisites: PHA551/PHA651 Pharmacotherapeutics I; enrolment in Master of Pharmacy and completion of 1st year.

### Pharmacotherapeutics III (PHA453)

Credit Points: 4

Not available 2011

This unit develops student knowledge about pathophysiology and diagnosis of specific diseases (common malignancies, blood dyscrasias, STDs, HIV, fertility and contraception, genitourinary diseases as well as antibiotics use) with specific emphasis on available drug treatments.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA352 Pharmacotherapeutics II; completion of 2nd year of Bachelor of Pharmacy.

### Pharmacotherapeutics III (PHA753; was PHA653)

**As for PHA453 except:**

Credit Points: 4

Murdoch: T1-internal

Prerequisites: PHA552/PHA652 Pharmacotherapeutics II; enrolment in Master of Pharmacy and completion of 1st Year.

### Pharmacotherapeutics IV (PHA454)

Credit Points: 4

Not available 2011

This unit develops student knowledge about pathophysiology and diagnosis of specific disorders (Parkinson's disease, dementia and Alzheimer's disease, depression and psychosis, schizophrenia as well



as ophthalmic disorders) with specific emphasis on available drug treatments.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA453 Pharmacotherapeutics III; completion of 2nd year of Bachelor of Pharmacy.

### Pharmacotherapeutics IV (PHA754; was PHA654)

As for PHA454 except:

Credit Points: 4

Murdoch: T2-internal

Prerequisites: PHA653/PHA753 Pharmacotherapeutics III; enrolment in Master of Pharmacy and completion of 1st year.

### Pharmacy Business Management (PHA462)

Credit Points: 4

Not available 2011

Introduces pharmacy students to areas of business activity, which may be useful to help cope with their chosen work environment. The unit considers business structures and the legal environment, basic concepts of marketing, organisational and personnel behaviour, financial reporting and analysis and cost-effective medication consumption. Business planning, sources of information, and intellectual property including patents of drugs and the process of protecting new inventions, will also be covered. Ethics, as relates to business management practices and good corporate governance.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: PHA444 Pharmacy Practice IV; completion of 2nd year of Bachelor of Pharmacy.

### Pharmacy Business Management (PHA762; was PHA662)

As for PHA462 except:

Credit Points: 4

Murdoch: T2-internal

Prerequisites: PHA744 Pharmacy Practice IV; enrolment in the Master of Pharmacy and completion of 1st Year.

### Pharmacy Care (PHA221)

Credit Points: 3

Not available 2011

This unit covers the methods of diagnosis and management of minor ailments in patient care, focusing on over-the-counter products in community pharmacy. Topics covered include gastrointestinal disorders such as heartburn, dyspepsia, constipation, diarrhoea, nausea and vomiting, anorectal disorders, gastrointestinal infestations, analgesics for minor pain and musculoskeletal injuries and disorders, respiratory disorders, dermatological disorders such as dermatitis, acne, seborrhea, oral and ophthalmologic disorders, nutrition and weight control.

Lectures: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: Enrolment in Bachelor of Pharmacy.

### Pharmacy Care (PHA521; was PHA421)

As for PHA221 except:

Credit Points: 3

Murdoch: T1-internal

Prerequisites: Enrolment in Master of Pharmacy.

### Pharmacy Practice I (PHA241; was CHI317)

Credit Points: 3

Not available 2011

The role and responsibilities of the pharmacist, and the expectations of the profession from the health professional industry in Australia and the pharmaceutical industry. Topics: historical beginnings to the fully computerised workplace; legal, ethical and professional standards; self regulated accreditation; legislation controlling access to poisons; national medicines policies and organisations regarding rational drug prescribing and reporting. Students commence development of competencies in communication skills, identification of effective methods of communication with patients, staff and other health professionals.

Lectures/tutorials: 3 hours per week; laboratories: 3 hours per week.

Prerequisites: PHA221 Pharmacy Care; enrolment in Bachelor of Pharmacy.

### Pharmacy Practice I (PHA541; was PHA441)

As for PHA241 except:

Credit Points: 3

Murdoch: T2-internal

Prerequisites: PHA421/PHA521 Pharmacy Care; enrolment in Master of Pharmacy.

### Pharmacy Practice II (PHA342)

Credit Points: 4

Not available 2011

Commencement of therapeutic decision-making, promoting and contributing to optimal use of medicines. Emphasis on over-the-counter prescribing and the role of the pharmacist as a primary health provider. Providing supportive medication information; provision of professional services; systematic dispensing techniques, record maintenance. Focus on importance of good communication skills and counselling; introduction to medicine management and dose administration aids. Review inappropriate use of medications and drug abuse, and current existing regimes for treating opioid drug addiction through pharmacist's involvement.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: PHA241 Pharmacy Practice I; enrolment in Bachelor of Pharmacy.

### Pharmacy Practice II (PHA642; was PHA542)

As for PHA342 except:

Credit Points: 4

Murdoch: T3-internal

Prerequisites: PHA441/PHA541 Pharmacy Practice I; enrolment in Master of Pharmacy.

### Pharmacy Practice III (PHA343)

Credit Points: 5

Not available 2011

This unit focuses on rural and remote health and the professional role of the pharmacist as contributor to better health outcomes for indigenous people. The continuation of dispensary practices, medication management, the use of equipment in screening for diseases and the position of veterinary pharmaceuticals in pharmacy. The first rotation in Clinical Placement Program occurs in this unit.

Lectures/tutorials: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: Completion of the 2nd year of Bachelor of Pharmacy.

### Pharmacy Practice III (PHA643; was PHA543)

**As for PHA343 except:**

Credit Points: 5

Not available 2011

Prerequisites: PHA642 Pharmacy Practice II; PHA652 Pharmacotherapeutics II; enrolment in Master of Pharmacy and completion of 1st Year.

### Pharmacy Practice IV (PHA444)

Credit Points: 5

Not available 2011

This unit assesses the demand and outcomes of the Quality Care Pharmacy Program (QCPP) and the application to all aspects of daily pharmacy practice. The Program forms the basis of evaluating pharmaceutical care, delivering occupational health and safety, documenting daily occurrences, promoting public health and formulating policies to standardise pharmacy practice within Australia. Also: other programs such as Home Medicines Review and software options that assist in providing these services. Second rotation in Clinical Placement Program occurs in this unit.

Lectures/tutorials: 5 hours per week; laboratories/workshops: 5 hours per week.

Prerequisites: PHA343 Pharmacy Practice III; completion of 2nd year of Bachelor of Pharmacy.

### Pharmacy Practice IV (PHA744; was PHA644)

**As for PHA444 except:**

Credit Points: 5

Murdoch: T1-internal

Prerequisites: PHA543/PHA643 Pharmacy Practice III; enrolment in Master of Pharmacy and completion of 1st year.

### Pharmacy Practice V (PHA445)

Credit Points: 5

Not available 2011

Aims to consolidate on competencies developed through the previous units and build on organisational skills such as time management, functioning as part of a team and team building. An opportunity for the student to operate in 'virtual' situations within a pharmacy environment will be used to aid the development and assess the student under working conditions.

Lectures: 2 hours per week; tutorials 1 hour per week; workshop: 3 hours per week.

Prerequisites: PHA444 Pharmacy Practice IV; completion of 2nd year of Bachelor of Pharmacy.

### Pharmacy Practice V (PHA745; was PHA645)

**As for PHA445 except:**

Credit Points: 5

Murdoch: T2-internal

Prerequisites: PHA644/PHA744 Pharmacy Practice IV; enrolment in Master of Pharmacy and completion of 1st year.

### Photo and Video Journalism (MCC267)

Credit Points: 4

Murdoch: S1-internal

SGP1: T3B-internal

Students will be exposed to the challenge of using still and moving images to tell real stories. Students will learn the conventions and techniques of documentary photography, and the contemporary processes of digital reproduction, in readiness to apply them for publication in the newsroom production unit.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: MCC124 Photography and Digital Imaging; MCC104 Introduction to Journalism or EGL114 Introduction to Creative Arts.

This unit is subject to quota. Quota is due to limited resources.

Thereafter students can apply to the Unit Coordinator as places become available.

### Photo and Video Journalism (MCC567)

**As for MCC267 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in a postgraduate course.

This unit is not subject to quota.

### Photography and Digital Imaging (MCC124; was MED102)

Credit Points: 3

Murdoch: S1-internal (quota of 120 places), S2-internal (quota of 120 places)

DUBAI-ISC: N2-internal

This unit provides a practical foundation for students wishing to pursue study in photography, screen or creative media production. Emphasis is upon developing strong photographic skills, sophisticated digital editing skills and familiarity with the digital workflow. Students have the opportunity to choose from an exciting range of projects and hone their skills in industry-standard applications. Alongside the development of creative portfolio work, students develop an understanding of photographic history, style and genre. Students produce an essay on photographic culture.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED102 Photography may not enrol in this unit for credit.

This unit is offered in both Semester 1 and Semester 2 in order to ensure that students have reasonable access to the School's photographic equipment.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference is given to BMedia and BCommunication Majors.

### Physical Assessment and Rehabilitation (CHI328)

Credit Points: 4

Murdoch: S1-internal

Provides students with a basic understanding of rehabilitation: the development of a person to the fullest physical, psychological, social, vocational, and educational potential within their physiological/anatomic impairments and environmental limitations. Upon completion, students will be able to develop and implement exercise rehabilitation techniques for patients with a wide variety of disabling illnesses by understanding the nature of adaptations to training with various kinds of exercise. It has three components: evaluation methods; general management methods; management methods by body region.

Lecture: 2 hours; laboratories/clinic: 2 hours.

Prerequisites: CHI225 Principles of Strength and Conditioning; CHI208 Health, Fitness and Performance Assessment.

**Physical Diagnosis (CHI2641)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

**Physical Education (EDN116; was EDU107)**

Credit Points: 3

Murdoch: S2-internal

Rockingham: S1-internal

Focus on development of physical activity skills through a range of movement experiences in different contexts. Enhance your movement skills through participation in a range of physical activities including fundamental movement skills, aquatic pursuits and team games. Appreciate skill development in a range of contexts, achieve an aquatic accreditation and analyse movement from a fundamental movement skill perspective. Understand how to plan and manage physical activity experiences in an enjoyable, structured, safe and developmentally appropriate format.

Workshops: 2 x 2 hours per week.

Prerequisites: Enrolment in B1279 Bachelor of Education [Secondary Teaching]/Bachelor of Sports Science OR B1285 Bachelor of Education [Primary, 1-10 Health and Physical Education].

Students not enrolled in an initial teacher education course need to seek permission from the Unit Coordinator.

Exclusions: Students who have successfully completed EDU107 Physical Education may not enrol in this unit for credit.

**Physical Examination (CHI283)**

Credit Points: 4

Murdoch: S2-internal

This unit introduces students to the process whereby a clinician investigates a patient for signs of disease. Students will have the opportunity to learn the techniques and procedures associated with physical examination of the different body systems and the ability to synthesise findings. The unit builds upon other units by providing the student with the opportunity to develop the necessary knowledge, skills, manual dexterity, attitudes and behaviours to be a safe and effective health care provider, focusing on clinical examination.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: BMS101 Introduction to the Human Body; CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy/VET108 Topics in Comparative Mammalian Anatomy); BIO152 Cell Biology; CHI109 Chiropractic Skills and Principles I (or CHI124 Principles of Sports Science); BMS107 Principles of Vertebrate Physiology; CHI280 Human Anatomy I; BMS264 Biomedical Physiology and concurrent enrolment in CHI282 Human Anatomy II.

This unit is subject to quota. Preference will be given to students in Chiropractic. Non-clinical students need to apply via the Unit Coordinator to take this unit.

**Physical Sciences Internship (PEC310)**

Credit Points: 12

Murdoch: S1-internal, S2-internal, Y-internal

A one-semester full-time (or full-year equivalent) work experience internship that will provide appropriate professional experience in the student's discipline area. Available to students in their final year of study. Students will be formally supervised by an academic staff member as well as from the employing organisation. The unit includes some workshops to prepare students for the workplace experience.

Prerequisites: Acceptance into the Science Internship Program and

approval by the Academic Chair.

Students cannot self-enrol in this unit.

**Physics and Nanotechnology Projects (PEC307)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, Y-internal

The objective of this unit is to integrate knowledge and abilities gained from units taken in the Physics and Nanotechnology course and apply them to the investigation of a particular physics/nanoscience-related problem, under the supervision of an academic staff member. Students may select a project from any area of nanoscience and chemistry/physics/energy studies/engineering/forensics/biomedical sciences in consultation with the Unit Coordinator, and subject to the availability of supervision.

Individual arrangements with Supervisors.

Prerequisites: PEC261 Applications of Nanotechnology.

**Physics of Materials (PEC317)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit covers the properties of matter and the structure and properties of solids and surfaces and their technological applications. Topics covered include phases of matter, properties of gases, liquids and solids, defects and dislocations in solids, quantum statistics, lattice vibrations, free electron theory of solids, metals, insulators and semiconductors, semiconductor devices, dielectrics, magnetic and amorphous materials, superconductivity, surfaces of solids and liquids.

Lectures: 3 hours per week, tutorials: 1 hour per week, laboratories: five 3-hour sessions.

Prerequisites: PEC140 Introduction to Chemistry or PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles; PEC231 Modern Physics.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not complete both this unit and PEC247 Physical and Inorganic Chemistry for credit.

Students wishing to complete a double major in Chemistry and Physics should enrol in either PEC247 or PEC317 Physics of Materials and contact the Academic Chair for advice. Laboratory kits are provided for off-campus students.

**Physiological Therapeutics (CHI423)**

Credit Points: 2

Murdoch: T3-internal

Provides instruction in the indications and safe and accurate use of ancillary modalities. Discussion includes the appropriateness of ancillary modalities as a single therapy or as a therapy in conjunction with other forms of care.

Lectures/workshops: 2 hours per week; practicals (small groups): 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and the successful completion of CHI301 Processes in Human Disease, CHI302 Diagnosis and Chiropractic Skills, CHI303 Primary Practice I: Clinical Science and Diagnosis, and CHI304 Clinical Orthopaedics and Neurology.

**Physiology (CHI2612)**

Credit Points: 2

Not available 2011

This unit will cover the functioning of the individual organs and



tissues of humans and other mammals, including nervous, muscular, cardiovascular, respiratory, renal and alimentary systems. The mechanism of action will be considered in terms of the cellular and tissue structure and the physical processes necessary to maintain the healthy body. This will include a detailed study of the histology of each tissue. Control mechanisms will be outlined. Practical exercises will utilise computer simulations and human subjects.

*Prerequisites: Enrolment in the BHSc in Chiropractic.*

### **Physiology and Anatomy of Farm Animals (ANS253)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit integrates the anatomy and physiology of farm animals, in particular cattle, sheep, pigs and horses. It covers the major organ systems; emphasising the functional anatomy and physiology of the musculoskeletal, digestive, and reproductive systems. The nervous and endocrine control of body functions will be examined. Practical exercises will utilise prepared anatomical specimens and fresh material to complement dissections of areas of interest in domestic stock. Project work will provide an introduction to oral and written skills of communication.

*Lectures: 4 hours per week; practicals/problem-based workshops: 4 hours per week.*

*Prerequisites: Enrolment in Bachelor of Animal Science; BMS107 Principles of Vertebrate Physiology and BIO152 Cell Biology.*

### **Planning for Effective Learning in Primary Schools (EDN443)**

*Credit Points: 2*

*Not available 2011*

This unit is a preparation unit for the final Professional Internship. It consolidates previous study in both the curriculum and the core units and shows how students' learning can be enhanced by planning for differentiation and for integration. The unit includes a school-based component.

*Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) course OR Bachelor of Education (Primary) (Graduate). Students will be required to have successfully completed all the required units.*

### **Plant Biosecurity in Practice (BIO538)**

*Credit Points: 3*

*Murdoch: S1-external*

This unit will introduce students to plant biosecurity within the broader context of human, veterinary and environmental regulatory issues. It includes an overview of the International Standards for Phytosanitary Measures with particular emphasis on the underlying theoretical principles, and an introduction to the plant biosecurity continuum including pre-border, border and post-border activities, the drivers behind these activities and the legislation and regulations that apply.

*This course is delivered online.*

*Prerequisites: Enrolment in a Postgraduate-level course. Students who wish to enrol in these units as 'not for award' will be considered on a case by case basis.*

*Co-requisite: Internet access if studying externally.*

### **Plant Biosecurity Masters Research Dissertation (BIO629)**

*Credit Points: 12*

*Murdoch: S1-external, S2-external*

Students will undertake an advanced, supervised investigation of a selected plant biosecurity research problem. The project will report on the rationale, methods and results of the research and will be assessed on the basis of the quality of a submitted dissertation. Project topics, applied in nature, will be chosen in consultation with the Academic Chair and the proposed supervisor. The dissertation will be assessed by two staff members or other appropriately qualified people as approved by the Academic Chair.

*Discussions with supervisor(s) as required. This is an independent research project and is therefore unique for each student.*

*Prerequisites: Enrolment in the Master of Plant Biosecurity.*

*Co-requisite: Internet access if studying externally.*

*Students cannot self-enrol in this unit.*

### **Plant Biosecurity: Detection and Diagnostics (BIO537)**

*Credit Points: 3*

*Murdoch: S1-external*

This unit will introduce students to the tools and technologies required for effective detection and diagnosis of emergency plant pest and diseases. It includes a comprehensive overview of surveillance and diagnostic methods, with particular emphasis in the following areas: sampling and survey methods, monitoring strategies, and traditional (taxonomy and microscopy) and advanced (molecular and biochemical) diagnostics. This unit will also cover the requirements for certification of diagnostic laboratories and diagnostic protocols, decision making tools and reporting networks/databases.

*This course is delivered online.*

*Prerequisites: Enrolment in a Postgraduate-level course. Students who wish to enrol in these units as 'not for award' will be considered on a case by case basis.*

*Co-requisite: Internet access if studying externally.*

### **Plant Biotechnology and Proteomics (BIO253)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit provides the latest information and practical training, including applications of molecular biology to crop improvement, plant pathology, gene mapping, marker-assisted breeding, proteomics (analysis and characterisation of proteins) and genetically modified plants. In practical classes students will undertake experiments in plant tissue culture, the production and analysis of transgenic plants, proteomic analysis using mass spectroscopy, molecular diagnostics, gene mapping and plant virology. The benefits and ethical issues relating to commercial growth of genetically manipulated crops are also discussed.

*Lectures: 3 hours per week; laboratories: 4 hours per week.*

*Prerequisites: N152/BIO152 Cell Biology.*

### **Plant Diversity (BIO265)**

*Credit Points: 4*

*Murdoch: S1-internal*

The diversity of plants and algae will be studied with emphasis on evolution, structure and function. Interactions between plants and the environment and the control of development will be explored in some detail for the flowering plants.

Lectures: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: N103/BIO103 Environmental Biology.

Exclusions: Students who have successfully completed N287/BIO287 Plant Diversity (Marine Science) may not enrol in this unit for credit.

### Plant Diversity (Marine Science) (BIO287)

Credit Points: 4

Murdoch: S1-internal

This unit aims to provide you with a working knowledge of algal and plant evolution and their functional interaction with the environment. The unit will cover the algal part of the Kingdom Protista, the Cyanobacteria in the Kingdom Monera and the Plant Kingdom. The unit emphasises morphological diversity, reproductive processes and strategies, adaptation, function and evolution. Interactions between plants and the environment and the control of development are discussed for flowering plants. Emphasis is placed on marine organisms where possible.

Lectures: 4 hours per week; laboratories: 4 hours per week.

Prerequisites: N103/BIO103 Environmental Biology.

Exclusions: Students who have successfully completed N265/BIO265 Plant Diversity may not enrol in this unit for credit.

### PLC and SCADA Systems (ENG443)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit builds upon previous studies of computer based measurement and control systems. In particular industrial based PLC and SCADA systems. The strong laboratory component provides students with practical experience in using these systems. Students are expected to design, commission and test small scale systems involving programming, networking and interfacing to instruments.

Meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

### PLC Applications (ENG501)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit builds upon previous studies of computer based measurement and control systems. In particular industrial based PLC and SCADA systems. The strong laboratory component provides students with practical experience in using these systems in an industry environment. Students are expected to design, commission and test small scale systems involving programming, networking and interfacing to instruments.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the ME or permission of the Engineering Academic Chair.

### PLC Systems (ENG305)

Credit Points: 4

Murdoch: S1-internal

This unit provides a thorough understanding, knowledge and practical experience in using PLC systems for measurement and control in an industrial process setting. Topics include: PLC categories, types; project oriented development environment; hardware configuration; digital I/O; ladder logic, STL, FBD; logic operations, timers, counters; simulators; numerical and interrupt processing; process simulation, analog I/O, PID control; state based design and implementation; operator panels, networking, I/O modules, remote I/O; SCL, GRAPH; multiple PLC project

development and documentation.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG109 Computing for Scientists and Engineers; ENG262 Principles of Electronic Instrumentation.

### PLC Systems (ENG505)

As for ENG305 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair

### Policy, Technology and Democracy (STP370)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit analyses policy-making processes in policy areas that involve significant elements of science and technology. Policy decisions on issues such as sustainable development, urban transport, technological risk and information technology often involve scientific expertise and/or complex technological systems. The unit first examines the current limits to democratic decision making in these fields, before turning to the more constructive task of how to democratise policy, the practice of science and the management of technology.

Lectures/seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Students currently enrolled, or intending to enrol, in the Postgraduate Certificate, Diploma or MA by Coursework should enrol in the higher-level option.

### Policy, Technology and Democracy (STP670; was STP570)

As for STP370 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Politics and Security in Southeast Asia: Terrorists, Gangsters and the State (POL213)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines the emergence and inter-relationship of a broad range of security problems in the Southeast Asian region. Focusing on traditional security problems such as interstate conflict and rivalries, and non-traditional security threats such as environmental degradation, politically motivated violence and the activities of organised crime syndicates. Topics such as arms, people and drug smuggling, illegal fishing, piracy, terrorism and separatism will be discussed and national and regional responses to these security threats will be evaluated.

Lecture: 1 hour per week; tutorial: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Politics and Security in Southwest Asia (POL218)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit will aim to develop a critical and in-depth understanding of the nature of political and security challenges confronting the Southwest Asian region and how these challenges impact upon global security. While a regional perspective will be adopted, the unit will place particular emphasis on the following states: India, Pakistan, Afghanistan and Iran.

Lecture: 1 hour per week; tutorial: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Politics of Cyberspace (POL215)**

Credit Points: 4

Murdoch: S2-internal, S2-external

A space is opening up between us. A space that is produced from our use of digital technologies and that is changing the world for those caught up in it. It is redefining our relationships, our society and, as we discover in this unit, our politics. Our politics is changing at the local level, as our interactions and identities come to reflect our digital being. Our politics is changing at the national level, as we experience government and cyber-surveillance.

Contact time: Up to 4 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Politics of Cyberspace (POL515; was POL415)**

As for POL215 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Politics of Globalisation (POL299)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit addresses the political drivers of globalisation as a contested phenomenon. It examines the influence of neoliberalism and ideas and opposition movements, particularly in relation to trade and development, international labour rights and corporate power and social responsibility. Additional topics include the transformation of nation states, through new modes of governance and the challenges of democratic governance beyond the state. This unit may be repeated at a higher level examining further themes.

Contact time: Up to 3 hours per week.

Prerequisites: Nil. Students currently enrolled, or intending to enrol, in the Postgraduate Certificate, Diploma or Masters by Coursework should enrol in the higher-level option.

Co-requisite: Internet access if studying externally.

**Politics of Globalisation (POL699; was POL499)**

As for POL299 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Politics of Neoliberalism (POL505)**

Credit Points: 4

Not available 2011

The political rise of neo-liberalism in the 1970's set a new agenda for globalisation. Examine the ideas, interests and organisations that underpin this new juggernaut and the ways in which it has come into conflict with other models of economic and political development. Did the Asian economic crisis result in the victory of the neo-liberal agenda? How has the attack on the Trade Towers and the US war on terrorism effected the balance of power in the globalisation process?

Up to 3 hours per week.

Prerequisites: Nil.

**Politics, Journalism and Society (MCC240)**

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

SGP1: T2B-internal

The unit considers the relationship, roles and functions of the journalist in modern society. Students will investigate a range of issues which highlight the political and cultural significance of journalism.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: MCC104 Introduction to Journalism.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Politics, Journalism and Society (MCC540; was MCC440)**

As for MCC240 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in Postgraduate Certificate in Journalism or Postgraduate Diploma in Journalism.

Exclusions: Students who have successfully completed MCC440 Journalism and Society (or JOU440 Journalism and Society) may not enrol in this unit for credit.

**Pollutants and Toxicology (ENV222)**

Credit Points: 4

Murdoch: S1-internal, S1-external

SGP1: T1B-internal

Develops an understanding of toxicology, how it is used and its limitations. Examines some chemical and physical pollutants and their presence in homes, the workplace, and the wider environment. Emphasis is placed on how we use chemicals, our day to day exposure to toxic substances, and the concept of risk. Discusses the interaction between toxins and the development of illnesses like asthma, allergies and multiple chemical sensitivity, as well as their impact on quality of life, health and work performance.

Lectures: 3 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed N323 Management of Industrial and Occupational Environments may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Pollutants and Toxicology (ENV555)****As for ENV222 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

**Pollution and its Control (ENV211)**

Credit Points: 4

Murdoch: S1-internal, S1-external

An introduction to the study of pollution and its control, discussing the relationship between wastes and pollution. Examines the impacts of wastes on the environment, the ability of nature to assimilate wastes, and the natural physical, chemical and biological assimilative processes. Develops basic scientific and technical skills for pollution assessment with respect to the source, composition and characteristics of the wastes. Examines available technologies for pollution control and protection of water quality from municipal, urban, agricultural and industrial sources.

Lectures: 3 hours per week; practical work: 3 hours per week.

External students should note that this unit has a compulsory week-long on-campus component.

Prerequisites: ENV102 Introduction to Environmental Science and PEC144 Chemical Principles or PEC115 Chemistry for Environmental Science or equivalent, or enrolment in the Bachelor of Technology in Environmental Technology or the Bachelor of Applied Science in Environmental Science.

Co-requisite: Internet access if studying externally.

**Popular Culture and Everyday Life (MCC235)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Develops an awareness of critical themes, research methods and forms of writing appropriate to the study of 'everyday life'. Topics covered include suburbia, shopping, food, sex and urban space. Students will be introduced to major traditions of thinking about the everyday and sensitised to the major forces which are moulding everyday life in the twenty-first century. They will also have the opportunity to develop skills in research with possible applications across the academy, government, industry and the media.

Lectures/tutorials: 2.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed COM235 Culture and Everyday Life may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Popular Culture and Everyday Life (MCC535; was MCC435)****As for MCC235 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC435 Popular Culture and Everyday Life may not enrol in this unit for credit.

**Popular Literature and Science Fiction (EGL290)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit combines consideration of the social and aesthetic dimensions of popular literature with close reading of texts from a number of genres: fairy stories, fantasy, magical realism, romance, detective fiction, thrillers, westerns, science fiction and others.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Popular Music (MCC274)**

Credit Points: 4

Not available 2011

Students will study the major streams of western popular music such as folk, country, blues, jazz, rock and roll, and hip hop, to discover the many ways in which these styles have influenced each other and the mainstream. The interweaving of popular music and its surrounding society and popular culture, the way the music business acts on and reacts to musical trends, technology's effect on popular music, and the evolution of the musical artist as branded product, will be explored.

Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: Nil.

**Postwar Japan (JPN214)**

Credit Points: 4

Not available 2011

This unit examines Japan from 1952 to the present. It traces the great changes that took place as Japan established itself as a major world power, but also acknowledges the persistent influence of the Second World War over later events and perceptions. Topics include the influence of television, the Tokyo Olympics and the political quest to become a 'normal nation' in the 21st century.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil. This unit presupposes no previous knowledge of Japanese language. Recommended: AST102 Introduction to Asian Culture; HIS210 Modern Japanese History.

Honours and postgraduate students should enrol in the higher-level code for this unit.

**Postwar Japan (JPN614; was JPN414)****As for JPN214 except:**

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Power Electronic Converters and Systems (ENG349)**

Credit Points: 4

Murdoch: S1-internal

The unit introduces power electronic converters and systems. It covers modern power semiconductor devices, uncontrolled, semi-controlled and PWM rectifiers, AC voltage controllers, DC-DC converters, PWM inverters, variable speed DC and AC drives, volts/Hz speed control in AC machines. A wide range of industrial applications of power electronic systems is presented.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: ENG243 Circuits and Systems II; ENG262 Principles of Electronic Instrumentation.

Co-requisite MAS261 Mathematical Methods.

### Power Electronic Converters and Systems (ENG549)

As for ENG349 except:

Credit Points: 4

Murdoch: Y-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Power of the Media and Public Interest (POL302)

Credit Points: 4

Murdoch: S2-internal, S2-external

Analyses the interaction of politicians, policy makers and the media, their relative power, and the impact on public policy. At heart, it is a struggle for control. Who controls the news? The media? The government? How fully and in what ways do they shape public opinion? What can the public believe? Obtain a critical understanding of how news media shape public policy, and how policy-makers seek to influence the media. Students will work on cases from Australia and overseas.

Up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Power System Economics and Electricity Markets (ENG561)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit discusses the economic theory and practice associated with the operation and management of the electrical network, including economic dispatch. It introduces the electricity markets and discusses the need for economic operation within the deregulated industry, covering transmission transactions and the technical and economic issues associated with them.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### Power System Monitoring, Diagnostics and Maintenance (ENG557)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

This unit discusses monitoring and diagnostics technologies associated with the operation and management of the power system. It also covers maintenance procedures and planning.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### Power Systems Protection (ENG682)

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit addresses the concepts, strategies and devices that can be applied in designing power systems protection for distribution lines, transmission lines, transformers, motors, generators and busbars. Strategies include overcurrent, distance, and differential protection schemes; relay coordination; ground-fault protection; and the use of symmetrical components for more sensitive fault detection. Special emphasis is given to using advanced capabilities in modern

protective relay systems to improve power system reliability and performance.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Power Transmission and Distribution Networks (ENG348)

Credit Points: 4

Murdoch: S2-internal

This unit studies the key concepts behind the transmission and distribution of electrical energy. It covers topics such as transmission line modelling, distribution transformers, overhead lines, power flows, symmetric fault analysis, three-phase symmetrical components and non-symmetric fault analysis. This unit is supported by hardware experiments on power system components and software simulations of complete power systems.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 2 hours per week.

Prerequisites: ENG243 Circuits and Systems II; MAS261 Mathematical Methods.

### Power Transmission and Distribution Networks (ENG548)

As for ENG348 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Power, Security and Modern Life (SOC296)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit explores understandings of 'power' and 'governance' in sociological thought, tracking changes from the classical period to the present. The impact of political and professional interventions on individual subjectivity and social relations is discussed in detail with reference to subjects such as health, mental health, crime, welfare, education, ethnicity and sexuality. The themes which underlie the unit include knowledge, power, governance, subjectivity and contestation.

Lectures/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Practical Applications of Epidemiology (VET642)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit will provide students with the skill required to apply epidemiology to field situations. It will use practical examples to impart knowledge required for undertaking risk analysis and economic evaluation of disease surveillance and monitoring.

On-line discussions and workshops as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Veterinary Surveillance, Master of Veterinary Studies in Conservation Medicine or permission of the Academic Chair. Completion of, or concurrent enrolment in, VET641 Principles of Epidemiology.

Co-requisite: Internet access if studying externally.

**Pre-clinical Practicum (CHI484)**

Credit Points: 6

Murdoch: Y-internal

Introduction to clinical practice, observing senior students in the MUCC as they undertake patient histories, physical examinations, treatments, and discussions with clinical supervisors, thus developing skills themselves in these areas. Orientation to clinic policies and procedures. Ethical and legal issues such as privacy, confidentiality and boundary issues will be introduced as students become familiar with clinic policies regarding record keeping and case management. Refreshment on techniques as well as management of problematic cases.

Lectures and/or workshops: 2 hours of clinical work per week; 1 lecture and 1 workshop per week.

Prerequisites: Enrolment in BSc/BChiro and the successful completion of Years 1 to 3.

Exclusions: Students who have successfully completed CHI4841 Pre-clinical Practicum may not enrol in this unit for credit.

International students enrolled in B1193 Bachelor of Science in Chiropractic/Bachelor of Chiropractic prior to 2009 should enrol in CHI4841.

**Preparatory Science (PEC100)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This preparatory unit introduces students to the basic concepts of physical science with emphasis on the language, conceptual thinking and mathematical tools used to investigate and to describe the natural world. It is intended for students who have insufficient background for other science units, such as PEC140 Introduction to Chemistry, and PEC120 General Physics. Key principles are illustrated by examples from the biological, environmental, health and physical sciences.

Up to 2 x 1 hour tutorials per week plus up to 6 x 2 hour laboratory sessions. Internet access is required.

Prerequisites: Nil.

Exclusions: Students who have successfully completed PEC140 Introduction to Chemistry or PEC120 General Physics may not enrol in this unit for credit.

This is a general elective unit recommended for students without Year 10 Science.

**Primary Curriculum I (English) (EDU2821)**

Credit Points: 3

Murdoch: UW2-internal, UW2-external

This unit aims to prepare students for teaching English in primary classrooms. The unit focuses on the teaching and learning of speaking, listening, reading, viewing and writing in the context of general language development. It also introduces theories of language acquisition and language learning which underpin work in literacy, language arts and language across the curriculum. The unit provides relevant preparation for students intending to teach in primary schools.

Lectures: 1 hour per week; workshops: 3 hours per week plus the equivalent of 1.5 days intensive during Winter Term.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in BEd (Primary) or Graduate Diploma in Education (Primary) and successful completion of EDU101/EDU1011. Co-requisite: Internet access if studying externally.

Students enrolled in the Graduate Diploma in Education (Primary) are recommended to enrol in EDU2151 School Experience: GradDipEd (Primary) in the same semester.

**Primary Curriculum III (Mathematics) (EDU285)**

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Rockingham: UW2-internal

This unit aims to assist students in acquiring knowledge and skills which will facilitate primary school children's active learning of mathematics. It focuses on understanding and knowing what mathematics children need to learn, how they learn that mathematics and how best to teach it. The content will address key elements of the primary school curriculum: number and algebra; measurement and geometry; statistics and probability.

Lectures: 1 hour per week; workshops: 3 hours per week plus the equivalent of 1.5 days intensive during Winter Term.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a Teacher Education course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary), BEd (Primary)/BA (AIS)], and successful completion of EDU101/EDU1011 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Students enrolled in the BEd (Primary) are recommended to enrol in EDU3153 School Experience. EDU3151 is in second semester.

**Primary Curriculum III (Mathematics) (EDU2851)****As for EDU285 except:**

Credit Points: 3

Murdoch: UW2-internal, UW2-external

Prerequisites: Enrolment in BEd (Primary) or GradDipEd (Primary) and successful completion of EDU101/EDU1011 Introduction to Teaching. Co-requisite: Internet access if studying externally.

Students enrolled in the GradDipEd (Primary) are recommended to enrol in EDU2151 School Experience: GradDipEd (Primary) in the same semester.

**Primary Curriculum IV (Society and Environment, Science) (EDU286)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit aims to prepare students for facilitating effective learning in two curriculum areas, 'Society and Environment' and 'Science', with particular application to the primary classroom. The unit consists of two separate, but related strands both of which promote the use of 'inquiry' or an investigative approach to learning.

3 hours per week for 10 weeks.

Prerequisites: Enrolment in a Teacher Education Course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary), BEd (Primary)/BA (AIS)], and successful completion of EDU101/EDU1011 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed E283 Studies of Society and Environment (formerly E283 Social Studies and the Primary Curriculum) and E284 Science and the Primary Curriculum may not enrol in this unit for credit.

Students are recommended to enrol in EDU3154 School Experience: Primary BEd in the same semester.

## Primary Curriculum IV (Society and Environment, Science) (EDU2861)

As for EDU286 except:

Credit Points: 3

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in BEd (Primary) or GradDipEd (Primary) and successful completion of EDU101/EDU1011 Introduction to Teaching.  
Co-requisite: Internet access if studying externally.

## Primary Practice I: Clinical Science and Diagnosis (CHI303)

Credit Points: 4

Murdoch: S1-internal

This unit is divided into clinical sciences, diagnosis, neurology radiological diagnosis sections. It develops a principles approach to clinical pathology and neurology from a cellular level to organ failure -- focusing on neurology and systemic pathophysiology -- while utilising a case-study approach with diagnostic workshops to illustrate the concepts presented. The radiological presentations of selected musculoskeletal and visceral disorders are integrated; while practical lab times are used to further develop skills in image interpretation.

Lectures/workshops: 4 hours per week; practicals 4 hours per week.  
For radiology component: 1 to 2 hours per week assigned small group sessions during second half of semester, 8 hours of open radiology lab time for the semester.

Prerequisites: Enrolment in BSc/BChiro and successful completion of Years 1 and 2.

## Primary Practice II: Physical Rehabilitation (CHI411)

Credit Points: 4

Not available 2011

Focuses on collection of patient data necessary to develop and implement a physical rehabilitation program to complement or succeed the initial treatment plan. Builds on the development of competencies in performing physical examination procedures for purposes of differential diagnosis. Refines physical examination and implements functional examination skills for assessing the neuromusculoskeletal systems and also introduces procedures for examining fitness parameters. Also: paediatric fitness and health; safety concerns for exercise and fitness testing; contraindications and appropriate progression of conditioning and rehabilitation.

Lectures/workshops: 4 hours per week; practicals (small groups): 4 hours per week; project work/seminars.

Prerequisites: For students enrolled in BSc/BChiro: successful completion of years 1 to 3.

For Sports Science students: CHI209 Biomechanics and Diagnostic Palpation Skills.

## Primary Practice II: Physical Rehabilitation I (CHI442)

Credit Points: 2

Murdoch: T1-internal

Focuses on collection of patient data necessary to develop and implement a physical rehabilitation program to complement or succeed the initial treatment plan. Builds on the development of competencies in performing physical examination procedures for purposes of differential diagnosis. Refines physical examination and implements functional examination skills for assessing the neuromusculoskeletal systems and also introduces procedures for examining fitness parameters.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiro and successful completion of BSc(Chiro), or enrolment in Bachelor of Sports Science or enrolment in the BEd (Sec)/Sport Science or permission of the Academic Chair.

Exclusions: Students who have successfully completed CHI411 Primary Practice II: Physical Rehabilitation cannot enrol in this unit for credit.

## Primary Practice III: Differential Diagnosis I (Musculoskeletal) (CHI443)

Credit Points: 2

Murdoch: T2-internal

This unit stresses clinical decision making. It builds on earlier diagnosis units, further developing students' diagnostic and patient management skills. Focusing on the differential diagnosis of the patient's presenting complaint; consideration is given to the differential diagnosis of symptoms suggesting dysfunction of the musculoskeletal system and how to manage the patient appropriately.

Lectures: 1 hour per week; tutorials: 1 hour per week; 6 hours self directed learning.

Prerequisites: Enrolment in BChiropractic and successful completion of BSc(Chiropractic).

Exclusions: Students who have successfully completed CHI413 Primary Practice IV: Differential Diagnosis II cannot enrol in this unit for credit.

## Primary Practice IV: Differential Diagnosis II (CHI444)

Credit Points: 2

Murdoch: T1-internal (quota of 70 places)

This unit focuses on common clinical presentations related to the body systems and the clinical decision-making process (differential diagnosis) associated with the development of probable diagnoses. Principles of management will be addressed and the role of chiropractor emphasised, within the context of the broader healthcare system. The unit builds upon prior clinical units to provide the opportunity for students to gain the knowledge, skills and behaviours for the safe and appropriate management of patients in clinical practice.

Lecture: 2 hours per week; practical laboratories: 4 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and successful completion of BSc(Chiropractic).

This unit is subject to quota.

## Primary Practice V: Physical Rehabilitation II (CHI445)

Credit Points: 2

Murdoch: T2-internal

Refines physical examination and implements functional examination skills for assessing the neuromusculoskeletal systems and also introduces procedures for examining fitness parameters. Also: paediatric fitness and health; safety concerns for exercise and fitness testing; contraindications and appropriate progression of conditioning and rehabilitation.

Lectures: 2 hours per week; laboratories: 2 hours per week.

Prerequisites: Enrolment in BSportsSc, BEd(Secondary)/BSportsSc or enrolment in BSc/BChiropractic with successful completion of CHI442 Primary Practice II: Physical Rehabilitation I.

Exclusions: Students who have successfully completed CHI411 Primary Practice II: Physical Rehabilitation cannot enrol in this unit for credit.

**Primary Practice VI: Pharmacology (CHI446)**

Credit Points: 2

Murdoch: T2-internal

This unit continues students' previous training in the area of physical and differential diagnosis implementing the general principles of pharmacology in a clinical environment. It will provide an understanding of the basic concepts and principles of pharmacology such as: standard definitions; sources of drugs; drug names and classifications; routes of administration; drug action; absorption; bioavailability; distribution; metabolism; excretion; and adverse reactions and will also provide an understanding of how drugs work in the various systems of the body.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Enrolment in BSportsSc, BSc(Exercise Physiology) or enrolment in BSc/BChiropractic with successful completion of BSc(Chiropractic).

Exclusions: Students who have successfully completed CHI414 Primary Practice V: Diagnosis and Pharmacology cannot enrol in this unit for credit.

**Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI681)**

Credit Points: 4

Murdoch: H-external, Y-external

Introduction to principles and practice of neuromusculoskeletal rehabilitation, emphasising the biopsychosocial model and active care including consideration of the range of factors influencing clinical decision-making such as normal and abnormal function (physiology and pathophysiology), normal and abnormal biomechanics, structure (morphology), pathology, humanistic factors and patient/client assessment. Workshops highlight a practical approach to the physical performance evaluation, sparing strategies, stabilising strategies, assessment and management of muscle imbalance and facilitation of muscular agonist-antagonist co-activation by reflex stimulation methods.

External.

Prerequisites: Enrolment in the Master of Sports Science, Postgraduate Certificate in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation, or with the permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

Students enrolled in the Postgraduate Certificate or Postgraduate Diploma in Neuromusculoskeletal Rehabilitation should enrol in CHI6811.

**Principles and Practice of Neuromusculoskeletal Rehabilitation (CHI681)****As for CHI681 except:**

Credit Points: 4

CEASYDNEY: H-external, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

Students enrolled in the Master of Sport Science should enrol in CHI681.

**Principles and Practices in Early Childhood Education (EDN320; was EDU322)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit addresses theories of play and development, learning, and pedagogy for young children in the pre and early primary years of

school.

Lectures: 1 per week; workshops: 3 hours per week.

Prerequisites: Enrolment in BEd (Primary) and E241/EDU241 Processes of Learning, or entry to Graduate Certificate in Early Childhood Education or Graduate Diploma in Education Studies.

Co-requisite: Internet access if studying externally.

Students enrolled in the Early Childhood Education minor must enrol in the 6-point version EDN3201.

**Principles and Practices in Early Childhood Education (EDN320; was EDU322)****As for EDN320 except:**

Credit Points: 6

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

5 distributed days of school experience in a kindergarten or pre-primary in addition to those required for the BEd (Primary).

Prerequisites: Enrolment in BEd (Primary) and Early Childhood Education minor OR BEd (Early Childhood and Primary).

Co-requisite: Internet access if studying externally.

**Principles of Chiropractic (CHI2622)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

**Principles of Commercial Law (BUS165)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external, W2-internal  
DUBAI-ISC: N1-internal

KDUPJ: S2K-internal

This unit introduces students to the Australian legal system, its operation and development, and to the principles of law applicable to core areas of business, such as contract law, tort law and agency law. Students studying Marketing, Accounting, Human Resource Management, Management, Finance and Banking will find this unit essential and prerequisite to further studies.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed LAW260 Contract may not enrol in this unit for credit.

**Principles of Computer Science (ICT104)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit is designed to develop the skills of problem solving and program design using the Java programming language. Major topics: algorithm design; procedural abstractions; the use of libraries as collection of black-box code modules; the concepts of pre- and post-conditions and invariants; strings, arrays, introduction to object-oriented concepts including data abstraction, encapsulation, classes and object references, inheritance; introduction to recursion; streams and file input and output; the definition and use of common classes – lists, stacks and queues.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: M102/B102/ICT102/Introduction to Computer Science.

External enrolment is restricted to students with independent access to adequate computing facilities and software or to students with access to the campus computers by attendance.

Co-requisite: Internet access if studying externally.



### Principles of Data Communications (ICT120)

Credit Points: 3

Murdoch: S2-internal

This unit builds on the introductory unit ICT103, with the focus shifting to enterprise networks. Scalable network design is crucial as networks grow in size and complexity and the topics reflect this. Topics include: Wide Area Networks, switched Virtual Local Area Networks (VLANs), scalable addressing schemes and the examination of routing protocols capable of supporting global networks. Large, complex networks expose organisations to a variety of security threats, access control lists are introduced as a line of first defence.

Lectures: 2 hours per week; tutorials: 2 hour per week.

Prerequisites: ICT103 Introduction to Data Communication; and completion of CCNA1 and CCNA2 at a Cisco Systems Networking Academy.

Upon completion of this unit the student will be equipped to sit for the Cisco CCNA Certification, the examination for which is administered by an organisation independent of Murdoch University.

### Principles of Electronic Instrumentation (ENG262)

Credit Points: 4

Murdoch: S2-internal, SUM-internal

This unit offers students a background in analog electronics and instrumentation so that students are able to select the most appropriate instrumentation system for a given engineering measurement and control problem. It covers diodes, bipolar junction transistors, field effect transistors and their small and large signals models. It considers differential and operational amplifiers, their ideal and non-ideal behaviour and instrumentation amplifiers. Applications are considered in signal conditioning, active filtering, oscillators, voltage and current regulation.

Lectures: 3 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: MAS161 Calculus and Matrix Algebra OR MAS182 Applied Mathematics and ENG125 Circuits and Systems I.

### Principles of Environmental Impact Assessment (ENV520; was ENV420)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit teaches the theories of Environmental Impact Assessment (EIA), focusing on the policy and procedures involved. The origin, history and continuing evolution of EIA are covered from the perspective of both Australian and international practice. The role of EIA as both a planning and management tool along with strategic environmental assessment and sustainability assessment are covered. The preparation and review of various EIA documents including environmental management programs are covered. The political nature of environmental decision-making is considered.

Students will be required to attend five one-day intensive sessions during semester. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a honours or postgraduate level course.  
Co-requisite: Internet access if studying externally.

### Principles of Environmental Policy and Law (ENV215)

Credit Points: 4

SGP1: T2B-internal

This unit is intended to introduce students to the principles underlying environmental governance structures and alternative models for environmental policy. The role played by the legal system in environmental protection, planning and management will also be examined. Students are introduced to the nature of legal systems and the consequent limitations and possibilities for the implementation of environmental policy. The development of written communication skills is also a priority.

Lectures: 3 hours per week; tutorials: 1 hour per week for 11 weeks.

Prerequisites: Nil.

### Principles of Epidemiology (VET641)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit will provide students with the theoretical knowledge of epidemiology. It will cover disease frequency and monitoring, risk factor analysis, survey design and analysis of survey results, diagnostic test evaluation and interpretation, investigation of disease outbreaks and geographical information systems.

Lectures, workshops and seminars as required.

Prerequisites: Enrolment in Masters of Veterinary Studies in Veterinary Surveillance, Master of Veterinary Studies in Conservation Medicine or permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

### Principles of Finance and Banking (BUS140)

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: N2-internal

KDUPJ: S2K-internal

This unit exposes students to the application of financial mathematics to various personal financial decisions including valuing debt, equity, and hybrid securities. In the process, characteristics of these securities are detailed and valuation incorporating the respective security's cash flows, time value of money and the associated risk are presented. The unit also addresses the principles of maximising shareholder wealth and firm value. The interplay between these principles is examined by consideration of information asymmetry between the different stakeholders.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Principles of Information Systems (ICT107)

Credit Points: 3

Murdoch: S2-internal, S2-external

This unit provides an introduction to the principles of information systems and data management. The broad themes underpinning the information systems discipline are explored, including communication, representation, recording, problem solving, decision making, and systems theory; and the organisational and technical contexts essential for the design and development of information systems are covered. Tutorial and practical sessions complement the theory material.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Principles of Management (BUS145)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external, SB4-internal  
 DUBAI-ISC: N1-internal  
 KDUPJ: S2K-internal

Introduction to the discipline and practice of management. Weekly workshops will emphasise generic skill development for research, writing and oral presentations. Exercises, feedback and discussion in a supportive group environment will emphasise techniques to develop individual skill acquisition. Weekly lectures will include topics such as business ethics, workplace and workforce of the new millennium, cross cultural management, motivation and psychological principles of learning. Upon completion students should have consolidated core skills, enhancing transition to second year management units.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

**Principles of Marketing (BUS169)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external  
 DUBAI-ISC: N2-internal  
 KDUPJ: S1K-internal

This unit will begin with an overview of the marketing function and its role in the economy and society generally. The marketing organisation and the planning process necessary to develop marketing information for management decisions will also be studied. In addition, the unit examines buyer behaviour patterns in order to create an effective marketing mix strategy.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed C213/TOU213 Tourism Marketing may not enrol in this unit for credit.

**Principles of Physics (PEC152)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit covers the principles of classical physics, which relate to the study of the physical, biological and health sciences. Content: motion in one and two dimensions, force, Newton's Laws, work, energy, momentum, non linear oscillatory and circular motion, heat, hydrostatics, flow rates, electricity, DC circuits, magnetism.

Lectures: 3 hours per week; tutorials/laboratories: 3 hours per week.

Prerequisites: Concurrent enrolment in MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; plus a C grade in Physics 3A/3B or a pass in M120/PEC120 General Physics.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed both M150 Physics IA and M151 Physics IB may not enrol in this unit for credit. Students may not enrol in this unit and PEC120 General Physics concurrently.

**Principles of Process Engineering (ENG241)**

Credit Points: 4

Murdoch: S1-internal

In this unit students learn about processes and process variables and variable measurement techniques. They will implement the

knowledge gained in basic sciences to engineering applications through drawing flowcharts of a process, performing mass and energy balance calculations and applying these steps to industrial cases. Enhancement of problem solving skills is a major emphasis throughout this unit.

Lectures: 3 hours per week; workshops 1 hour per week

Prerequisites: MAS182 Applied Mathematics or MAS161 Calculus and Matrix Algebra; PEC140 Introduction to Chemistry or PEC144 Chemical Principles.

Exclusions: Students who have successfully completed G172/ENG172 Introduction to Process Analysis may not enrol in this unit for credit.

**Principles of Sports Science (CHI124)**

Credit Points: 3

Murdoch: S1-internal

This unit is designed to make the students eligible to sit for Sports Medicine Australia's Level I Sports Trainers certification. Topics covered are preventing sports injuries, principles of injury management, moving injured athletes, sporting illnesses and injuries, common medical conditions and sports taping. Additionally this unit will delve into health and physical assessment procedures such as: resting and exercise vitals; body composition; joint assessment procedures; pre-activity screening; and medical terminology.

Lectures: 2 hours; laboratories: 3 hours; workshop 1 hour.

Prerequisites: Nil.

Exclusions: CHI109 Chiropractic Skills and Principles I.

Additional requirements for completion of unit: 12 hours practicum; Level I Sports Trainers certification.

**Principles of Strength and Conditioning (CHI225)**

Credit Points: 4

Murdoch: S2-internal

This unit will focus on current scientific principles of strength and conditioning primarily in the healthy population. While the role of ageing and sex will be discussed, a large portion of the unit will focus on the strength and conditioning aspects associated with athletes. The student will then be able to apply these principles to other individuals adopting sedentary behaviours and living with lifestyle-related disease such as cardiovascular disease, obesity and diabetes.

Lectures: 3 hours; laboratories: 2 hours.

Prerequisites: CHI108 Functional Human Anatomy (or BMS108 Comparative Musculoskeletal Anatomy) AND CHI124 Principles of Sports Science (or CHI109 Chiropractic Skills and Principles I).

**Principles of Unit Operations (EXM224)**

Credit Points: 4

Murdoch: S1-internal, S1-external

The general principles of unit operations which form the basis for mineral processing and extractive metallurgical plants. Focus: mass and energy balances, elementary fluid mechanics and aspects of mass, energy and momentum transfer relevant to the above industries. Topics: mass and energy balance, fluid flow phenomena, basic equations of flow, transportation and metering of fluids, agitation and mixing of liquids and pulps, principles of diffusion and mass transfer in liquids, pulps and between phases, heat transfer processes.

Lectures/tutorials: 4.5 hours per week; laboratories: 2 hours per week.

External: Internet access and compulsory 5-day on-campus laboratory and workshop session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates

and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

*Prerequisites:* M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra; M152/PEC152 Principles of Physics or high school physics; OR Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed G277/ENG277 Process Engineering may not complete this unit for credit.

### Principles of Unit Operations (EXM524)

**As for EXM224 except:**

*Credit Points:* 3

*Murdoch:* S1-internal, S1-external

*Lectures/tutorials:* 4.5 hours per week.

*Prerequisites:* Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* EXM224 Principles of Unit Operations

### Principles of Vertebrate Physiology (BMS107; was VET107)

*Credit Points:* 3

*Murdoch:* S2-internal

The unit addresses the mechanisms by which vertebrates carry out essential life processes: how they maintain homeostasis (e.g. thermal, ionic and water), are metabolically active (use oxygen and nutrients, produce carbon dioxide and wastes, and synthesise complex molecules), and respond to stimuli (nervous system, sense organs and mechanisms of locomotion). The accompanying practical sessions examine the structure and function of the vertebrate body at three levels of organisation: an introduction to histology, organs and organ systems, and overarching physiological processes.

*Lectures/tutorials:* 3 hours per week; *laboratories:* 3 hours per week.

*Prerequisites:* Nil. BMS101 Introduction to the Human Body or ANS102 Introduction to the Animal Body are strongly recommended as precursor units.

### Probability and Statistical Inference (MAS278)

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

This unit introduces theory for estimation and statistical inference in applied problems involving variation or uncertainty, focusing particularly on basic distribution theory and likelihood methods. Routine statistical methods such as one and two sample tests for means and proportions are derived and justified using this theory. The unit also introduces students to the derivation and implementation of new statistical methods using computer software packages, including spreadsheets, to illustrate the flexibility of likelihood theory.

*Lectures/workshops/tutorials:* 4 hours per week.

*Prerequisites:* M180/MAS180 Introduction to Statistics OR M183/MAS183 Statistical Data Analysis and Databases OR M184/MAS184 Biostatistics and Information Retrieval OR M284/MAS284 Applied Statistics and Process Management OR MAS230 Biostatistical Methods. In addition, students must have a calculus background equivalent to at least M182/MAS182 Applied Mathematics. *Co-requisite:* Internet access if studying externally.

### Process Control Engineering I (ENG304)

*Credit Points:* 4

*Murdoch:* S1-internal

This unit develops skills and practical experience in the control of process oriented systems. Specific topics include process models; high order, inverse response, time-delay and non-linear systems and control; disturbances, variable operating conditions; frequency response; theoretical process modelling; process identification; complex control structures, feedback, feed-forward and cascade systems; internal model control. Simulink, MATLAB and LabVIEW are used extensively in problem solving, simulations and measurement/control.

*Lectures:* 2 hours per week; *workshops:* 2 hours per week; *laboratories:* 4 hours per week.

*Prerequisites:* Medical Engineering students: ENG267 Control Systems and Process Dynamics.

*For students not studying Medical Engineering:* ENG267 Control Systems and Process Dynamics; ENG241 Principles of Process Engineering.

### Process Control Engineering I (ENG504)

**As for ENG304 except:**

*Credit Points:* 4

*Murdoch:* S1-internal

*Prerequisites:* Enrolment in the Master of Engineering or permission of the Engineering Academic Chair

### Process Control Engineering II (ENG346)

*Credit Points:* 4

*Murdoch:* S2-internal

The unit further examines different types of conventional controllers introduced in previous control units. Advanced concepts introduced in this unit include: total plant control design, optimisation of the operation of plants, supervisory control and Generic Model Control and Fuzzy Control Design. Computer-aided design and simulation followed by real-time implementation are extensively exercised in this unit.

*Lectures and workshops:* 4 hours per week; *laboratories:* 3 hours per week.

*Prerequisites:* ENG241 Principles of Process Engineering; ENG267 Control Systems and Process Dynamics.

### Process Control Engineering II (ENG546)

**As for ENG346 except:**

*Credit Points:* 4

*Murdoch:* S2-internal

*Prerequisites:* Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Process Mineralogy (EXM256)

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

This unit draws upon principles of structural and chemical crystallography, and phase chemistry to develop a systematic study of minerals and materials as an introduction to process mineralogy. The mineralogy of the principal ores is illustrated and discussed. Practical work provides opportunities to develop skills in the techniques of mineral identification and analysis, information access and communication.

*Lectures:* 3 hours per week; *laboratories/workshops:* up to 4 hours per week.

*External: Internet access and compulsory 5 day on-campus laboratory session. Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to commencement of the teaching period.*

*Prerequisites: M130/EXM130 Geological Processes or equivalent, or approval of the Unit Coordinator, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.*

*Co-requisite: Internet access if studying externally.*

### **Process Mineralogy (EXM556)**

**As for EXM256 except:**

*Credit Points: 3*

*Murdoch: S2-internal, S2-external*

*Lectures: 3 hours per week.*

*Prerequisites: Enrolment in G1034 Graduate Diploma in Extractive Metallurgy.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: EXM256 Process Mineralogy*

### **Processes in Animal Disease (VET340)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit examines the fundamental processes of disease that are manifest by higher vertebrates, such as vascular disturbances, inflammation, necrosis and diseases of abnormal DNA processing. Students learn practical macroscopic and microscopic interpretation skills using case studies from the School's diagnostic pathology service. The relationships between gross change, histological change, the underlying pathological process and its implications for treatment and prognosis are emphasised. Clinical material will form the basis for problem-oriented learning and developing skills in scientific communication.

*Lectures: 3 hours per week; gross and histopathology workshops: 2 hours per week; seminars: 1 hour per week.*

*Prerequisites: Enrolment in Veterinary Biology; VET212 Veterinary Anatomy II or VET240 Veterinary Anatomy; VET108 Topics in Comparative Mammalian Anatomy or VET240 Veterinary Anatomy I; VET244 Veterinary Physiology I; VET243 Veterinary Physiology II; VET241 Veterinary Biochemistry.*

### **Processes in Human Disease (CHI301)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit provides an understanding of the mechanisms by which disease is produced. Pathological processes include thrombosis, cardiovascular disturbances, inflammation, cell and tissue death, and diseases of abnormal DNA processing such as neoplasia and inherited conditions. The workshops illustrate the gross and microscopic appearances of these processes to help develop understanding.

*Lectures: 3 hours per week; histopathology workshops: 2 hours per week; concept-mapping and review workshops: 1 hour per week.*

*Prerequisites: Enrolment in Chiropractic and successful completion of first and second year of study in Chiropractic.*

### **Professional and Action Learning Project (EDU470)**

*Credit Points: 4*

*Murdoch: S1-external, S2-external*

This unit is designed for teaching professionals in a range of contexts, including tertiary institutions, workplaces and organisations. It requires the development, implementation and

evaluation of a self-directed learning project based on action learning methodology and which addresses issues or problems within a specific teaching context. The project aims to improve and develop the student's teaching skills. The project offers an opportunity for theoretical perspectives to be translated and critiqued within a teaching context.

*No classes but students are encouraged to attend on-campus meetings conducted during the semester.*

*Prerequisites: Enrolment in either Graduate Diploma in Education Studies, Graduate Certificate in Drama Teaching, Graduate Diploma in Education (Secondary), or Graduate Diploma in Education (Tertiary and Adult); minimum of 30 hours of satisfactory teaching, training or facilitation experience with an appropriate group of learners.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed E240 Adult Education Practicum, E270 Professional Practicum, E370 Practicum and/or E370 Professional Learning Project may not enrol in this unit for credit.*

*This unit cannot be completed without access to a teaching group for a minimum of 30 hours, usually over an extended period while enrolled in this unit. Students are responsible for arranging access to a suitable group for their action research project. This unit should be taken in the final semester or year of enrolment.*

### **Professional and Action Learning Project (EDU4701)**

**As for EDU470 except:**

*Credit Points: 4*

*Murdoch: Y-external*

*Prerequisites: Enrolment in the Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) OR BEd (Primary) HPE 1-10 and either Early Childhood Education minor or Inclusive Education minor.*

*Co-requisite: Internet access if studying externally.*

*Participants will need to arrange for 30 hours of contact time with a group of learners to implement their research.*

### **Professional and Action Learning Project (EDU670)**

**As for EDU470 except:**

*Credit Points: 4*

*Murdoch: S1-external, S2-external*

*Prerequisites: Enrolment in Postgraduate Certificate in Gifted and Talented Education, Master of Education, or Master of Education Studies.*

*Co-requisite: Internet access if studying externally.*

### **Professional Communication (MCC246)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*DUBAI-ISC: N2-internal*

*KAPLAN-SGP: T2A-internal*

*KDUPJ: S1K-internal*

*SGP1: T2B-internal*

This unit teaches students theoretical foundations and practical skills in professional communication. Students critically analyse different modes and genres of communication including public information, rhetorical communication, organisational communication and interpersonal communication. Students will gain skills in planning strategic communication, writing and delivering speeches, integrating visual communication in written work, writing reports, editing written material, conducting interviews and managing professional communication projects.

*Lectures: 1 hour per week; workshops: 1.5 hours per week. Note:*

Lectures and tutorials for this unit commence in Week 1 of the semester.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MSC246 Technical and Report Writing may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Professional Communication (MCC546; was MCC446)**

**As for MCC246 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in Honours or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC446 Professional Communication may not enrol in this unit for credit.

### **Professional Development in Screen Production (MCC201; was MED301)**

Credit Points: 4

Murdoch: S2-internal (quota of 80 places)

DUBAI-ISC: N1-internal

In this unit students extend the practical, creative and craft skills developed in earlier screen production units. Each student can choose two 6-week modules from a range of modules offered such as : directing, producing and production management, editing, camera techniques, musical video clips, titles and compositing, interactive DVD, virtual sets, surround screen sound, animation, advertising, exhibition and arts management, etc.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: MCC226 Screen and Sound Production II (or MED226 Screen and Sound Production II or MED226 Screen Production II).

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students in Screen Production (BMedia).

### **Professional Development in Screen Production (MCC501; was MCC401/MED501)**

**As for MCC201 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MCC401 Professional Development in Screen and Sound Production may not enrol in this unit for credit.

This unit is not subject to quota.

### **Professional Development Portfolio (EDU418)**

Credit Points: 4

Murdoch: S1-external, S2-external, W3-internal

This unit is designed to enable teachers, lecturers, tutors, trainers, instructors or assessors working in a variety of settings (university, TAFE, schools, workplace) to build upon professional development work in which they have participated during the last few years or are currently undertaking. Participants are invited to submit a portfolio or report of their professional development work, and to

reflect in a structured way on how they have extended their understanding of some important issues through these professional activities.

External plus optional campus-based seminar.

Prerequisites: Enrolment in an education course and participation in a substantial professional development program in recent years, and permission of the Unit Coordinator. Those enrolled in a Masters, Postgraduate Certificate or Postgraduate Diploma must enrol in the 600-level version of the unit, and those in the GradDipEdSt in the 400-level version. Prior to enrolling in the unit prospective participants must contact the Unit Coordinator to confirm their eligibility to enrol. Co-requisite: Internet access if studying externally.

### **Professional Development Portfolio (EDU618)**

**As for EDU418 except:**

Credit Points: 4

Murdoch: S1-external, S2-external, W3-internal

Prerequisites: Enrolment in an education course and participation in a substantial professional development program in recent years, and permission of the Unit Coordinator. Students enrolled in a Masters, Postgraduate Certificate, Postgraduate Diploma or Doctor of Education normally enrol in the 600-level version of the unit, and those in the GradDipEdSt in the 400-level version. Prior to enrolling in the unit, prospective participants must contact the Unit Coordinator to confirm their eligibility to enrol.

Co-requisite: Internet access if studying externally.

### **Professional Experience Program (Crime Scene Investigation) (BIO327)**

Credit Points: 4

Murdoch: DE4-internal

Provides Forensic Biology and Toxicology majors with practical experience in crime scene investigation with the Western Australian Police (WAPOL). It includes one week of intensive training in crime scene analysis followed by three weeks of full-time attendance at a Police Division. This involves participation in actual crime cases and project work as directed by the WAPOL supervisor. Students are required to maintain a journal of cases attended and are subjected to workplace assessment by the WAPOL supervisor.

Contact time: 40 hours per week for 4 weeks.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Participation is by invitation; enrolment in the Forensic Biology and Toxicology major; completion of all Part I requirements and at least 36 points at Part II; current certificates of vaccination for Hepatitis B and Tetanus. A Police security clearance will be undertaken and participants must submit themselves to psychological profiling.

Selection into the unit is by a panel consisting of Murdoch University personnel and officers from the Western Australian Police Forensic Division.

### **Professional Experience Project (CHI676)**

Credit Points: 12

Murdoch: H-external, S1-external, S2-external, Y-external

This unit is designed to apply the knowledge you have gained in sports science directly to an experience project. The student will develop their own personalised project which may be with a team or at an event or equivalent experience. Recording and reflection of this experience will be developed in this unit.

External: No attendance required.

*Prerequisites:* Completion of Chiropractic Degree or equivalent.  
*Enrolment into the MSc in Sports Science including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents.*  
*Co-requisite:* Internet access if studying externally.

### **Professional Experience: BEd Primary (EDN2100)**

*Credit Points:* 2

*Murdoch:* SP10-external  
*Rockingham:* SP10-external

Students undertake 10 days of school-based experience to contextualise theory within a classroom under the guidance of a University Supervisor. Students must be currently enrolled in or have successfully completed the relevant curriculum unit to be eligible for a placement in schools. Students enrolled in required curriculum units externally must complete this school experience in the Perth Metropolitan area. Students who fail this unit must gain permission from the Academic Chair to progress.

*2 weeks full-time block placement.*

*Prerequisites:* Enrolment in BEd (Primary), BEd (Early Childhood and Primary), BEd (Primary, Years 1 to 10 Health and Physical Education), BEd/BA (Australian Indigenous Studies), BEd (Secondary).  
 Successful completion of EDN111 Language for Learning and Teaching; EDN112 Understanding Teachers' Work; EDN221 Learning, Teaching and Assessment 1; EDN223 Teaching English and Literacy in Primary Schools; and co-enrolment or completion of EDN222 Learning, Teaching and Assessment 2.

*Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children Check (WWC) on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit.*

*All students must have Internet access to LMS and SONIA Placement system <http://myplacement.murdoch.edu.au/soniaeducation>*  
*Students must lodge a MUSE Placement Form by the due date to the MUSE Office to activate and guarantee a school placement.*

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students enrolled in the GradDipEd (Primary) or GradDipEd (Secondary) should not enrol in this unit.

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Professional Experience: BEd Secondary (EDN2101)**

*Credit Points:* 2

*Murdoch:* SP9-external

Students undertake a total of ten days School Experience distributed over the first five weeks of school term 4. This is an opportunity for students to build on their developing theoretical and practical understandings of the teaching/learning context of secondary schools and classrooms. They will be required to undertake an action learning project in the school where they are placed and attend pre- and post-school experience meetings.

*Prerequisites:* Completion of EDN221 Learning, Teaching and Assessment 1 and co-enrolment or completion of EDN222 Learning, Teaching and Assessment 2.

*Co-requisite:* Internet access if studying externally.

### **Professional Experience: BEd Secondary (EDN3101)**

**As for EDN2101 except:**

*Credit Points:* 2

*Not available 2011*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Professional Experience: BEd Secondary (EDN4101)**

**As for EDN2101 except:**

*Credit Points:* 2

*Not available 2011*

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Professional Experience: GradCertEdSt (EDN2191; was EDU219)**

*Credit Points:* 4

*Murdoch:* AU13-external, SP26-external

Students will complete a supervised professional experience in a school. This experience will give students the opportunity to develop further expertise in a professional context of their choice.

*6 weeks full-time or 10 weeks part-time (3 days per week).*

*Prerequisites:* Enrolment in the last semester of Graduate Diploma of Education Studies or Graduate Certificate in Special Needs Education or Graduate Certificate in Inclusive Education or Early Childhood Education courses.

*Students must submit a current WA Department of Education CrimTrac Police Clearance Statement to the School Experience Office prior to commencement of this unit. Clearances are valid for 3 years from the issue date. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.*  
*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students in the BEd (Secondary), BEd (Primary), GradDipEd (Secondary) or GradDipEd (Primary) course should not enrol in this unit.

### **Professional Experience: Primary Graduate (EDN2151; was EDU2151)**

*Credit Points:* 2

*Murdoch:* AU4-external

Students undertake a two-week block of school-based experience. This is an opportunity to try a variety of techniques and approaches in a classroom context under the guidance of a Murdoch University supervisor. Students must be currently enrolled or have successfully completed the English and Mathematics curriculum units to be eligible for a placement in schools. Students enrolled in required curriculum units externally must complete school experience in the Perth metropolitan area.

*Two weeks full-time.*

*Prerequisites:* Enrolment in a GradDipEd (Primary) or BEd (Primary) (Graduate) course; successful completion of EDN112/EDN1121 Understanding Teachers' Work or E101/EDU101/E1011/EDU1011 Introduction to Teaching.

*Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.*

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students in the BEd (Primary) should not enrol in this unit, but rather in EDU3151 School Experience: Primary BEd, EDU3153 School Experience: Primary BEd as recommended in the course structure.

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Professional Experience: Secondary Graduate (EDN2161; was EDU2162)**

*Credit Points:* 2

*Murdoch:* AU4-external

Students undertake a two week block of school-based experience in their minor curriculum area. This is an opportunity to try a variety of techniques and approaches in a classroom context under the guidance of a Murdoch University Supervisor. Students must complete the required preparation to be eligible for placement in schools. Students enrolled in required curriculum units externally must complete school experience in the Perth metropolitan area.

2 weeks full time in a school.

*Prerequisites:* Enrolment in Graduate Diploma of Education (Secondary) course; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching. Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. *Co-requisite:* Internet access if studying externally.

*Exclusions:* Students in the BEd(Secondary) course should not enrol in this unit but rather in either EDU3161 School Experience: Secondary BEd or EDU3162 School Experience: Secondary BEd as recommended in the course structure.

Students are required to enrol concurrently in the correct school experience unit relating to their core curriculum unit. Check Education Calendar for teaching periods at:

[http://www.education.murdoch.edu.au/educ\\_calendar.html](http://www.education.murdoch.edu.au/educ_calendar.html)

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Prelim: Prim BEd/Inclusive Ed (EDU383)**

*Credit Points:* 2

*Murdoch:* AU10-external, W5-external

*Rockingham:* AU10-external, W5-external

Students undertake a supervised two-week block of school-based preliminary placement with a focus on children with special needs in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to EDU384 Professional Internship: Primary BEd/Inclusive Ed.

Two weeks full time.

External students can do the two weeks of on-campus components externally.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Primary) course AND Inclusive Education minor. Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* BEd (Primary) students who are not enrolled in the Inclusive Education minor.

Enrolment in the relevant Professional Internship unit (EDU384) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Prelim: Primary BEd/ECE (EDU379)**

*Credit Points:* 2

*Murdoch:* AU10-external, W5-external

*Rockingham:* AU10-external, W5-external

Students undertake a supervised two-week block of school-based placement in an early childhood setting in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to EDU381 Professional Internship Primary BEd/ECE.

Two weeks full time.

External students can do the 2 weeks on-campus components externally.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) course and Early Childhood minor. Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* BEd (Primary) students who are not enrolled in the Early Childhood minor.

Enrolment in the relevant Professional Internship unit (EDU381) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Prelim: Primary GradDipEd (EDU291)**

*Credit Points:* 2

*Murdoch:* AU10-external, W5-external

Students undertake a supervised two-week block of school-based preliminary placement in the school in which they will complete their Professional Internship.

2 weeks full time.

*Prerequisites:* Enrolment in the final semester of a Graduate Diploma of Education (Primary) course. Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students enrolled in the Bachelor of Education (Primary) should not enrol in this unit, but rather EDU377 Professional Internship Preliminary: Primary BEd.

Students will be required to have successfully completed all the required units. Enrolment in the relevant Professional Internship unit (EDU292) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Prelim: Secondary BEd (EDU387)**

*Credit Points:* 2

*Murdoch:* AU10-external, W5-external

Students undertake a supervised two-week block of school-based placement in the school in which they will complete their Professional Internship.

2 weeks full time.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary)(Graduate) course.

Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Co-requisite: Internet access if studying externally.

Exclusions: Students in the GradDipEd(Secondary) should not enrol in this unit but in EDU293 Professional Internship Prelim: Secondary GradDipEd.

Enrolment in the relevant Professional Internship unit (EDU389) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Prelim: Secondary GradDipEd (EDU293)**

Credit Points: 2

Murdoch: AU10-external, W5-external

Students undertake a supervised two-week block of school-based placement in the school in which they will complete their Professional Internship.

2 weeks full-time.

Prerequisites: Enrolment in the final semester of a Graduate Diploma of Education (Secondary) course. Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Co-requisite: Internet access if studying externally.

Exclusions: Students in the BEd (Secondary) should not enrol in this unit, but rather in EDU387 Professional Internship Prelim: Secondary BEd.

Enrolment in the relevant Professional Internship unit (EDU297) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship Preliminary: Primary BEd (EDU377)**

Credit Points: 2

Murdoch: AU10-external, W5-external  
Rockingham: AU10-external, W5-external

Students undertake a supervised two-week block of school-based preliminary placement in the school in which they will complete their Professional Internship. Students must successfully complete this preliminary component in order to proceed to EDU378 Professional Internship.

2 weeks full-time.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) course OR Bachelor of Education (Primary) (Graduate).

Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.

Exclusions: Students in the GradDipEd (Primary) should not enrol in this unit, but rather EDU291 Professional Internship Preliminary: Primary

GradDipEd.

Enrolment in the relevant Professional Internship unit (EDU378) in the same semester will be expected.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Professional Internship: BEd Primary (EDN4300)**

Credit Points: 6

Not available 2011

### **Professional Internship: BEd Secondary (EDN4301)**

Credit Points: 4

Not available 2011

### **Professional Internship: Graduate (EDN4102)**

Credit Points: 4

Not available 2011

### **Professional Internship: Primary BEd (EDU378)**

Credit Points: 6

Murdoch: AW1-external, SP2-internal, SP2-external  
Rockingham: AW1-external, SP2-internal, SP2-external

Gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence. Aim: to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher. The unit consists of an initial two-weeks on-campus (internal only) prior to a six-week school-based internship and it concludes with two-weeks on-campus as a preparation for the students' future profession.

Two weeks on campus; six weeks of school placement; two weeks on campus.

External students can do the on-campus components externally.

Prerequisites: Enrolment in the final semester of a Bachelor of Education (Primary) OR Bachelor of Education (Primary) (Graduate) course. Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.

Students will be required to have successfully completed all the required units. Enrolment in the relevant Professional Internship Preliminary unit (EDU377) in the same semester will be expected.

### **Professional Internship: Primary BEd/ECE (EDU381)**

Credit Points: 6

Murdoch: AW1-external, SP2-internal, SP2-external  
Rockingham: AW1-external, SP2-internal, SP2-external

Gives students the opportunity to consolidate their theoretical knowledge; develops a high level of professional competence; aims to nurture the development of the reflective practitioner; establishes a foundation for confronting the issues associated with the professional responsibilities of being a teacher. Unit consists of an initial two-weeks on-campus (internal only) prior to a six-week school-based internship in an early childhood setting. The unit concludes with two-weeks on-campus as preparation for the students' future profession.

Two weeks on campus; six weeks in a school-based early childhood setting; two weeks on campus.



External students can do the on-campus components externally.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Early Childhood and Primary) OR Bachelor of Education (Primary) and Early Childhood minor. Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* BEd (Primary) students who are not enrolled in the Early Childhood Education minor.

Enrolment in the relevant Professional Internship Preliminary unit (EDU379) in the same semester will be expected.

### **Professional Internship: Primary BEd/Inclusive Ed (EDU384)**

*Credit Points:* 6

*Murdoch:* AW1-external, SP2-internal, SP2-external

*Rockingham:* AW1-external, SP2-internal, SP2-external

Gives students opportunity to consolidate their theoretical knowledge; develops a high level of professional competence; aims to nurture development of the reflective practitioner; establishes a foundation for confronting issues associated with the professional responsibilities of teachers. Consists of an initial two weeks on campus (internal students only) prior to a six-week school-based internship with a focus on children with special needs. Concludes with two weeks on campus as a preparation for the students' future profession (internal students only).

*Two weeks on campus; six weeks of school placement with a focus on children with special needs; two weeks on campus.*

External students can do the on-campus components externally.

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Primary) and Special Needs minor.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* BEd (Primary) students who are not enrolled in the Inclusive Education minor.

Students will be required to have successfully completed all the required units. Enrolment in the relevant Professional Internship Preliminary unit (EDU383) in the same semester will be expected.

### **Professional Internship: Primary GradDipEd (EDU292)**

*Credit Points:* 4

*Murdoch:* AW1-external, SP2-internal, SP2-external

Gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence. Aim: to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher. The unit consists of an initial two-weeks on-campus (internal only) prior to a six-week school-based internship and it concludes with two-weeks on-campus as a preparation for the students' future profession.

*Two weeks on campus; six weeks of school placement; two weeks on*

*campus.*

External students can do the on-campus components externally.

*Prerequisites:* Enrolment in the final semester of a Graduate Diploma in Education (Primary). Students will be required to have successfully completed all the required curriculum and school experience units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students in the BEd (Primary) should not enrol in this unit, but rather in the 6-point version EDU378 Professional Internship: Primary BEd.

Enrolment in the relevant Professional Internship Preliminary unit (EDU291) in the same semester will be expected.

### **Professional Internship: Secondary BEd (EDU389)**

*Credit Points:* 6

*Murdoch:* AW1-external, SP2-internal, SP2-external

This unit gives students the opportunity to consolidate their theoretical knowledge and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

*Two weeks on campus; six weeks of school placement; two weeks on campus.*

*Prerequisites:* Enrolment in the final semester of a Bachelor of Education (Secondary) OR Bachelor of Education (Secondary) (Graduate). Students will be required to have successfully completed all the required units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students in the GradDipEd (Secondary) should not enrol in this unit, but rather in the 4-point version EDU293 Professional Internship: Secondary GradDipEd.

Enrolment in the relevant Professional Internship Preliminary unit (EDU387) in the same semester will be expected.

### **Professional Internship: Secondary GradDipEd (EDU297)**

*Credit Points:* 4

*Murdoch:* AW1-external, SP2-internal, SP2-external

This unit gives students the opportunity to consolidate their theoretical understanding and develop a high level of professional competence. It aims to nurture the development of the reflective practitioner and establish a foundation for confronting the issues associated with the professional responsibilities of being a teacher.

*Two weeks on campus; six weeks of school placement; two weeks on campus.*

*Prerequisites:* Enrolment in the final semester of a Graduate Diploma in Education (Secondary). Students will be required to have successfully completed all the required curriculum and school experience units.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit.

*Co-requisite:* Internet access if studying externally.

Exclusions: Students in the BEd (Secondary) should not enrol in this unit, but rather in the 6-point unit, EDU389 Professional Internship: Secondary BEd.

Enrolment in the relevant Professional Internship Preliminary unit (EDU293) in the same semester will be expected.

### Professional Issues for Teachers (EDN444)

Credit Points: 2

Not available 2011

### Professional Placement in Media Communication and Culture (MCC325; was MED325)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

The aim of this unit is to give selected final year students on-the-job industry experience to provide a practical bridge from university into the workplace. Industry placements in metropolitan or regional centres will be full time across four weeks (or part-time equivalent). During this time students will be required to demonstrate a range of skills relevant to their vocational specialisation.

Consultations with Unit Coordinator.

Prerequisites: Permission of the Academic Chair.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Professional Placement in Media Communication and Culture (MCC625; was MCC525)

As for MCC325 except:

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal, W-internal

Prerequisites: Permission of the Academic Chair.

### Professional Planning Placement (STP415)

Credit Points: 8

Murdoch: H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, Y-internal, Y-external

This unit integrates knowledge and skills gained from other units in the Bachelor of Planning degree and comprises a work placement in an appropriate planning organisation. Students will be supervised by an academic staff member of the School of Sustainability and a placement supervisor appointed by the participating planning organisation.

Placement: minimum of 3 days per week for 12 weeks although arrangements will vary according to the requirements of placement organisations.

Prerequisites: Enrolment in the final year of the Bachelor of Planning, plus permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Professional Practice and Organisational Consulting (PSY563)

Credit Points: 3

Murdoch: Y-internal

This unit will focus on professional, practical and methodological issues related to the practice of organisational psychology, including: ethical and legal issues; cultural and ethnic issues; consulting skills; building and running a private practice; working with data in organisations; service evaluation; record keeping, report writing and accountability.

Seminars/workshops: 3 hours per fortnight (inclusive of non-teaching

periods).

Prerequisites: Enrolment in PgCertOHRS or PgDipConsultPsych or MAppPsych or DPsych or MAppPsych/PhD or, for other Masters students, permission of the Unit Coordinator.

Exclusions: This unit was previously PSY575/S575 Professional Practice Issues.

### Professional Practice Management (CHI519)

Credit Points: 2

Murdoch: T1-internal

This unit introduces the aspects of practice management, exploring concepts including startup, associate, locum or partner in another practice. Business theory will be outlined in reference to practice location, business finance, securing business loans, hiring staff, marketing, record keeping and policy and procedures. This is a basis for the student to develop life-long learning skills and business tools that they will need in their respective professions.

Lectures: 2 hours; workshops: 2 hours per week.

Prerequisites: Nil.

### Program Evaluation (EDU437)

Credit Points: 4

Murdoch: S1-external

Concepts, purposes, approaches and methods for the evaluation of social and educational programs. Alternative models for the design and conduct of evaluation studies are explored using examples from education, health, crime prevention, and welfare programs. Issues related to the dissemination and use of evaluation findings are also examined. Additionally, the unit addresses current cross-cutting issues such as ethical and political considerations in program evaluation, appropriate synthesis of findings within mixed-method evaluations, and the evaluation of evaluations.

External: No attendance required. On-campus meetings will usually be available.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Those who have successfully completed E540 Programme Evaluation may not enrol in this unit for credit.

Participants should note this unit assumes prior knowledge of STP501 Social, Research and Policy Research Methods or equivalent. Participants with further queries should contact the Unit Coordinator.

### Program Evaluation (EDU637)

As for EDU437 except:

Credit Points: 4

Murdoch: S1-external

Prerequisites: Enrolment in a Postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Project Execution and Documentation (ENG660)

Credit Points: 8

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This unit starts with a detailed design brief (from ENG560) and ends with a device, system or process that provides a solution to the original problem. The student will need to consider alternative solutions before completing the design, implementation, testing, demonstration and presentation of the final result. Documentation is an important aspect of a project's methodology; this is reflected in the requirement for a substantial written thesis together with verbal presentation of the processes and outcomes of the project.

Meetings and laboratory sessions in agreement with the project supervisor.

Prerequisites: ENG560 Project Research and Preparation.

Admission in this unit is by enrolment in the ME or permission of the Engineering Academic Chair.

### Project in Creative Writing (EGL260)

Credit Points: 4

Murdoch: S1-internal

Students who have completed EGL122 Creative Writing: Text and Practice I and EGL269 Creative Writing: Text and Practice II may wish to develop their skills by undertaking an extended creative writing project. Topics include research methods, formal considerations, close textual analysis, the political and ethical implications of creative work, and publishing opportunities. Workshop exercises will assist students in the transformation and development of their ideas, and imaginative, conceptual and technical problems of work-in-progress will also be addressed.

Lectures: one introductory lecture only in week 1; workshops: one workshop up to 3 hours per week.

Prerequisites: H122/EGL122 Creative Writing: Text and Practice I (or H122/EGL122 Reading and Writing I). Strongly recommended: H269/EGL269 Contemporary Creative Writing: Image and Scene (or H269/EGL269 Reading and Writing II) (Credit or above).

### Project Management (MBS641)

Credit Points: 4

Murdoch: W-internal, W-external

DUBAI-ISC: TD2-internal

SGP1: T1H-internal

This unit provides a generic approach to project management and is applicable to any project. You will gain a solid understanding of the various elements of project management including: planning, organising, controlling, scope management, meeting project objectives and attaining project success. You will be able to analyse the performance of a project during the execution phase; describe the major functions of project management and how they are applied.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for winter term.

Prerequisites: Enrolment in a Postgraduate course.

Co-requisite: Internet access if studying externally.

### Project Research and Preparation (ENG560)

Credit Points: 4

Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

This unit will introduce students to a problem in their specialised engineering discipline that is of current industrial interest, significance and relevance. Students will need to research the area in order to develop a detailed project brief that clearly defines the objectives, performance metrics and budget for a project that addresses the problem.

Meetings and laboratory sessions in agreement with the project supervisor.

Prerequisites: Completed at least 24 credit points of the Master of Engineering.

Admission to this unit is by enrolment in the ME or permission of the Engineering Academic Chair.

### Projects in Community Development (COD324)

Credit Points: 4

Murdoch: S2-internal, S2-external

This placement unit gives students the opportunity to examine how ideas and practice interconnect. The primary part of this unit requires students to undertake a short placement within an organisation that uses the language and ideas of community development. Students will be encouraged to look, listen and consider the linkages between theory and practice by going 'into the field' and reflecting on the process of working within the community.

Workshops: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed COD326/526 Community Participatory Practice may not enrol in this unit for credit.

### Projects in Community Development (COD624; was COD524)

As for COD324 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Property (LAW253)

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit aims to acquaint students with the basic principles of real property law. Topics: the concept of property; the concept of possession; fragmentation of proprietary interests; leases; concurrent interests; creation, acquisition, enforceability and transfer of proprietary interests; priorities, the general law of conveyance and the Torrens system; mortgages, easements; profits and restrictive covenants.

Lectures: 4 hours per week; tutorials: up to 5 tutorials.

Prerequisites: Enrolment in Bachelor of Common Law OR L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L260/LAW260 Contract, and (L120/LEG120/LAW120 Research and Writing or concurrent enrolment in LAW120 Research and Writing).

Students may take this unit either in first or second semester. In the first semester, lectures are offered in 2x2 hours blocks per week, during working hours. In the second semester, lectures are offered in 4-hours blocks per week, after hours.

### Psychological Assessment: Theory and Method (PSY562)

Credit Points: 3

Murdoch: Y-internal

Core unit for all MAppPsych, combined MAppPsych/PhD and DPsych candidates. This unit covers the major theoretical, methodological and statistical issues in evidence-based psychological assessment. There is also a large practical component where expertise in psychological testing will be developed. The overall aim is to increase in-depth knowledge and competency of the psychological assessment task. The unit will demand a high degree of student application.

Seminars: 3 hours per fortnight; practical/workshops: to be determined.

Prerequisites: MAppPsych, DPsych or MAppPsych/PhD; Enrolment in PgDipConsultPsych where candidate holds a four-year Psychology qualification or equivalent.

**Psychology and Law (CRM209; was LEG209)**

Credit Points: 4

Murdoch: S2-internal

Starting with a comparison of the premises of the two disciplines the unit then explores areas of commonality such as eyewitness testimony, interviewing and interrogation, criminal procedure and evidence, criminal responsibility, expert testimony and jury behaviour.

Lectures: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System.

Exclusions: LLB or Juris Doctor students may not enrol in the lower-level version of this unit for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Psychology and Law (LAW409)****As for CRM209 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: L252/LAW252 Evidence.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Psychology: Abnormal Behaviour (PSY213)**

Credit Points: 4

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit will introduce how abnormal behaviour is defined, and will explore the symptoms, causes and treatment of common and less common psychological disorders. These disorders and their treatment will be conceptualised through various theoretical frameworks, including cognitive, behavioural, systemic and neuropsychological approaches. Current issues relevant to both clinical practice and research will also be explored.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science or PSY171 Introduction to Applications of Psychology or PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed S349 Abnormal Psychology may not enrol in this unit for credit.

**Psychology: Advanced Qualitative Research Methods (PSY315)**

Credit Points: 4

Murdoch: S2-internal

This unit examines the qualitative methods used in psychological inquiry, with particular focus on their application to the areas of social, environmental and community psychology. A variety of methods of qualitative data collection will be covered, including interviews, focus groups, and the collection of naturally occurring talk and text. Students will gain experience in a range of methods of analysis including Discourse Analysis, Conversation Analysis, Thematic Analysis and Grounded Theory, as well as the epistemological underpinnings of the different approaches.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY173 Introduction to Psychological Research Methods OR PSY211 Psychological Methods I; PSY212 Psychology: Measurement, Design and Analysis.

Students enrolling in this unit from 2010 must have completed at least 10 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Unit Coordinator.

**Psychology: Advanced Quantitative Research Methods (PSY311)**

Credit Points: 4

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit provides students with a sophisticated appreciation of statistical and methodological issues in psychological research. Advanced statistical procedures will be addressed, including higher-order analysis of variance designs, analysis of covariance, multivariate analysis of variance, nonparametric statistics, factor analysis, multiple linear regression and analytical strategies for multiple comparisons. In addition to gaining a conceptual understanding of these procedures, students will apply them to the practical analysis of data using the SPSS statistical package.

Lectures/tutorials/laboratories/seminars: 2 hours per week.

Prerequisites: PSY173 Introduction to Psychological Research Methods OR PSY211 Psychological Research Methods I; PSY212 Psychology: Measurement, Design and Analysis.

Exclusions: Students who have successfully completed PSY311 Psychological Research Methods III may not complete this unit for credit.

Students enrolling in this unit from 2010 must have completed at least 10 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

**Psychology: Advanced Thesis Research Methods (PSY655)**

Credit Points: 2

Murdoch: Y-internal

The unit aims to train students in the latest methodological strategies to conduct applied research. It will facilitate students' ability to think about research questions, understand applied designs, manage relevant ethical issues, and communicate this through proposals relevant to ethics and scientific review committees. At its completion, students would be able to design and conduct research in applied settings; critically evaluate research publications and reports; understand the ethical issues in research; and appreciate how research informs the practice of psychology.

Seminars: 6 x 3 hours run in the first week of semester.

Prerequisites: Enrolment in Master of Applied Psychology in Clinical Psychology or Master of Applied Psychology in Organisational Psychology or Doctor of Psychology in Clinical Psychology or Doctor of Psychology in Organisational Psychology.

**Psychology: Advanced Thesis Research Methods (PSY755)****As for PSY655 except:**

Murdoch: Y-internal

**Psychology: Biological Bases of Behaviour (PSY351)**

Credit Points: 4

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit introduces students to the biological foundations of human behaviour. Topics include the organisation and function of the nervous system, the physiological basis of sensory experiences

and movement, the psychophysiology of motivational states such as sleep, temperature and eating, and the biological basis of learning and memory. Biological influences on emotion and psychopathology, and the impact of negative emotions on health, will also be addressed.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY173 Introduction to Psychological Research Methods AND PSY212 Psychology: Measurement, Design and Analysis.*

*Exclusions: Students who have successfully completed PSY314 Psychology of Motivation and Emotion may not enrol in this unit for credit.*

*PSY211 Psychological Methods I and PSY212 Psychological Methods II may be substituted for the prerequisites, respectively.*

### **Psychology: Cognitive Processes (PSY353)**

*Credit Points: 4*

*Murdoch: S2-internal*

*KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal*

Cognitive psychology explores the fascinating complexity of mental processes in all their forms and the field has derived enormous impetus in recent years from insights gained in disciplines as diverse as neuropsychology, neuroanatomy, imaging technologies, artificial intelligence, philosophy of mind, and psycholinguistics. The main topics will include: biological and neuropsychological foundations of mental processes, attention, memory systems, the organisation of knowledge, structure of language, cognitive processes in speech and language, mental concepts and categories, and problem-solving.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY173 Introduction to Psychological Research Methods OR PSY211 Psychological Research Methods I; PSY212 Psychology: Measurement, Design and Analysis.*

*Exclusions: Students who have successfully completed PSY312 Psychology: Human Learning and Cognition may not enrol in this unit for credit.*

### **Psychology: Conceptual Issues in Psychology (PSY432)**

*Credit Points: 4*

*Not available 2011*

This unit provides students with advanced coverage in selected areas of psychology. Students will examine psychological research design and psychological knowledge through intensive study of specific topics. Topic areas will include: biological psychology, cognitive psychology, developmental psychology and social psychology.

*Lectures/tutorials/laboratories/seminars: up to 3 hours per week.*

*Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods; enrolment in BA Psychology (Hons) or BPsych (Hons).*

### **Psychology: Culture and Community (PSY246)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit demonstrates how psychological processes and human behaviour are influenced by culture, and how culture is influenced by individuals and groups. It also examines the impact of alienation on specific people, groups and ultimately the wider community. There is a particular focus on Indigenous Australians, asylum seekers/refugees and Muslim Australians. The principles of Community Psychology will be used to focus on these issues and demonstrate actions that improve the well-being of community

groups and society at large.

*Lectures/tutorials/seminars: 3 hours per week.*

*Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.*

*Exclusions: Students who have successfully completed PSY145 Introduction to Psychology and Culture or PSY201 Community Psychology or S227 Culture and Behaviour may not enrol in this unit for credit.*

### **Psychology: Drugs and Dependence (PSY215)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit examines the major classes of psychotropic drugs including those with abuse potential. The physical and physiological factors involved in the action of drugs, their administration, metabolism, excretion and in their use, will be described and pharmacotherapy for drug dependence will be critically discussed. Students will review the history of substance abuse and addictions, examine current patterns of addictions and substance abuse behaviour in a psychological context and discuss the use of psychological interventions.

*Lectures/tutorials/laboratories/seminars: up to 3 hours per week.*

*Prerequisites: S141/PSY141 Introduction to Psychological Science or PSY171 Introduction to Applications of Psychology or PSY173 Introduction to Psychological Research Methods.*

*Exclusions: Students who have successfully completed PSY215 or S345 Addictions and Substance Abuse may not enrol in this unit for credit.*

### **Psychology: Family Relations and Social Development (PSY356)**

*Credit Points: 4*

*Murdoch: S1-internal*

Relationships play a key role in development. From a family life cycle perspective, this unit examines how individuals manage developmental tasks within dynamic and evolving social contexts.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods; PSY247 Psychology: Human Development.*

*Exclusions: PSY214 Psychology: Adolescent and Young Adult Development; PSY241 Psychology: Understanding Social and Emotional Development.*

*PSY143 Introduction to Developmental Psychology may be substituted for the prerequisite.*

### **Psychology: Fourth Year Project (PSY441)**

*Credit Points: 8*

*Murdoch: H-internal, Y-internal*

Students enrolled in this unit will be emailed explaining how to select projects. More information will be given in the first seminar in PSY412. This unit does not appear on the timetable because students arrange to meet at a mutually convenient time after groups have been formed. This unit is generally offered to begin in Semester 1, though the Academic Chair may approve commencement in Semester 2 where this permits a more timely completion of the degree.

*Approximately 10 hours per week for 26 weeks or equivalent.*

*Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research*

Methods or enrolment in Postgraduate Diploma in Psychology.

Students must have completed 15 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

### **Psychology: Fourth Year Seminar (PSY412)**

Credit Points: 4

Murdoch: S1-internal

This unit will deal with a range of themes which are central to the science and practice of psychology. The unit is run as an interactive seminar with complementary tutorials and workshops. Typical themes covered include: career skills; professional directions; critical methods and issues pertaining to the practice of psychology.

Seminars/workshops: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods or enrolment in Postgraduate Diploma in Psychology or Postgraduate Certificate in Psychology Teaching.

### **Psychology: Honours Seminar (PSY411)**

Credit Points: 4

Murdoch: S1-internal

The fundamental science of psychology and the application and professional practice of psychology. Possible topics: examination of the nature of scientific enquiry; the role of values in science and the ways in which these affect the practice and publication of research; the need for the scientific researcher to be concerned with the application of the results of the science. Attention will be paid to ethics in the conduct of psychological research and to the communication of psychological knowledge.

Lectures/tutorials/laboratories/seminars: up to 3 hours per week.

Prerequisites: PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods.

Students must have completed 15 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Unit Coordinator.

### **Psychology: Human Development (PSY247)**

Credit Points: 4

Murdoch: S1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit examines human development from conception through to death. At each broad stage of the lifespan the biosocial, cognitive and psychosocial influences on the individual are studied and integrated to understand the developing person.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.

Exclusions: Students who have successfully completed PSY143 Introduction to Developmental Psychology may not enrol in this unit for credit.

### **Psychology: Industrial and Organisational Issues (PSY434)**

Credit Points: 4

Murdoch: S2-internal

This unit provides an overview of selected issues in industrial/organisational psychology. It will include an introduction to human factors/ergonomics and contemporary issues in

organisational psychology including: job design and project management; equity; training organisational psychologists; organisational responses to stress and trauma and understanding business decisions.

Lectures/tutorials/seminars: up to 3 hours a week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed S453 Advanced Human factors may not enrol in this unit for credit.

### **Psychology: Measurement, Design and Analysis (PSY212)**

Credit Points: 4

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

The unit will provide students with knowledge of fundamental concepts involved in psychological methods, research design, data analysis, and in the interpretation of published research. Students will develop skills in assessing which designs and methods are appropriate to test different hypotheses, understanding which types of analyses are most appropriate to analyse different types of data, the ability to conduct analyses using statistical software and to communicate their results clearly.

Lectures/tutorials/laboratories/seminars: 3 hours per week.

Prerequisites: PSY173 Introduction to Psychological Research Methods or PSY211 Psychological Methods I.

Exclusions: Students who have successfully completed PSY212 Psychological Methods II may not enrol in this unit for credit.

Students enrolling in this unit from 2010 must have completed at least 5 hours as a participant in psychological research or have completed an essay on psychological research to the satisfaction of the Subject Pool Coordinator.

### **Psychology: Principles and Processes of Interventions (PSY436)**

Credit Points: 4

Murdoch: S2-internal

This unit covers major issues pertaining to working with people in a psychotherapeutic context. Theoretical and applied topics that are generic to psychological practice are also included. The focus is on the therapeutic alliance, behaviour change principles, assessing client responses to therapy, and an exploration of the ways in which differing theoretical perspectives impact upon case conceptualisation and the kinds of interventions employed.

Lectures/workshops: up to 3 hours per week.

Prerequisites: PSY213 Psychology: Abnormal Behaviour and either PSY311 Psychology: Advanced Quantitative Research Methods or PSY315 Psychology: Advanced Qualitative Research Methods; OR enrolment in Postgraduate Diploma in Psychology OR BA Psych (Hons) OR BPsych (Hons).

Exclusions: Students who have completed S442 Advanced Abnormal Psychology or PSY436 Advanced Topic E may not enrol in this unit for credit.

### **Psychology: Principles of Psychological Assessment (PSY431)**

Credit Points: 4

Murdoch: S1-internal

This unit examines the major theoretical issues, practical applications and ethical considerations associated with individual and group psychological assessment and measurement techniques.

Lectures: 2 hours duration weekly; workshops: 2 hours duration every

second week.

*Prerequisites:* PSY311 *Advanced Quantitative Research Methods* or PSY315 *Advanced Qualitative Research methods* or enrolment in *Postgraduate Diploma in Psychology* or *BA Psychology (Hons)* or *BPsych (Hons)*.

*Exclusions:* Students who have successfully completed PSY431 *Psychology: Advanced Topic A* or S451 *Advanced Applied Measurement* may not enrol in this unit for credit.

### **Psychology: Program Evaluation Methods (PSY433)**

*Credit Points:* 4

*Murdoch:* S1-internal

Introduction to the theory and methods specifically applicable to program design and evaluation of social, educational, and workplace programs. Consider developments in descriptive, experimental, quasi-experimental, theory-driven, and naturalistic evaluations. Evaluation case studies illustrate current practices. Develop a plan for evaluation of a program. Objectives: (a) to enhance understanding of the field of evaluation research; (b) to familiarise students with contemporary techniques of evaluation research; (c) to conduct evaluations from the design stage through write-up and utilisation.

*Lectures/tutorials/laboratories/seminars:* up to 3 hours per week.

*Prerequisites:* PSY311 *Psychology: Advanced Quantitative Research Methods* or PSY315 *Psychology: Advanced Qualitative Research Methods* or enrolment in *BA Psychology (Hons)* or *BPsych (Hons)* or *Postgraduate Diploma in Psychology*.

### **Psychology: Program Evaluation Methods (PSY633)**

*As for PSY433 except:*

*Credit Points:* 4

*Murdoch:* S1-internal

*Prerequisites:* Completion of PSY212 *Measurement, Design and Analysis* (or equivalent) or enrolment in *Postgraduate Certificate in Organisational Human Resources and Safety* or *Postgraduate Diploma in Consultancy Psychology* or *Master of Applied Psychology in Organisational Psychology*.

*Exclusions:* Students who have completed PSY433 *Psychology: Program Evaluation Methods* are excluded from enrolling in this unit.

### **Psychology: Psychological Research Placement (PSY380)**

*Credit Points:* 4

*Not available 2011*

The research placement provides experience in aspects of psychological research with the principal aim of developing research skills in preparation for the honours project. Students will work in a research setting under the supervision of academic staff on research-related activities, which may include literature searches, data collection and entry, and statistical analyses. The assessment will be based on individually-negotiated placement objectives, preparation of a conference poster, and delivery of a conference-style presentation.

*Research placement:* 24 weeks at 4 hours per week or equivalent.

*Prerequisites:* Enrolment in *BPsych (Honours)* or permission of Unit Coordinator; and completion of PSY250 *Psychology: Research Topics in Psychology*.

*This unit is subject to quota. Quota is due to limited availability of suitable research placements. Entry is subject to a suitable research placement being available.*

### **Psychology: Research Topics in Psychology (PSY250)**

*Credit Points:* 4

*Murdoch:* S2-internal

This unit gives students exposure to cutting-edge research topics across a range of different areas of psychology. Students will develop the ability to critically engage with contemporary academic scholarship within the discipline through attending a series of seminars delivered by different researchers across a range of topics. Critical reflection upon these seminars will be encouraged through tutorial and assessment exercises.

*Seminars/tutorials:* 1.5 hours per week (or equivalent).

*Prerequisites:* Enrolment in *BPsych (Honours)* or permission of Unit Coordinator.

*This unit provides foundation skills and knowledge for students wishing to enrol in PSY380 Psychology: Psychological Research Placement.*

### **Psychology: Safety, Errors and Accidents (PSY357)**

*Credit Points:* 4

*Murdoch:* S2-internal

*KAPLAN-SGP:* T1A-internal, T2A-internal, T3A-internal

This unit examines contemporary issues in industrial and organisational settings. The topics will provide students with an overview into psychological issues in the I/O sector, such as: job design and working conditions; error detection and management; accident and disaster investigation; organisation culture and safety; occupational health and safety responsibilities; and product and process responsibilities and liabilities. Theories will be discussed and critically evaluated along with an examination of case studies from the transportation, chemical and nuclear industries.

*Lectures/tutorials/laboratories/seminars:* 3 hours per week.

*Prerequisites:* Nil.

### **Psychology: Self and Society (PSY218)**

*Credit Points:* 4

*Murdoch:* S1-internal

This unit explores the concept of 'self'; the relationship between our identities in the social world and our experiences of self. It considers how gender, ethnicity, age, and sexuality shape the ways in which we think about ourselves and others, as well as our treatment of those who do not share our identities. It also considers the political and ideological implications of particular ways of thinking about 'self' and how particular identities and states of being are promoted or marginalised.

*Lectures/tutorials/laboratories/seminars:* 3 hours per week.

*Prerequisites:* Students must have completed PSY248 *Psychology: Social Bases of Behaviour* and at least one of the following units: PSY141 *Introduction to Psychological Science*; PSY171 *Introduction to Applications of Psychology*; PSY173 *Introduction to Psychological Research Methods*.

*Exclusions:* Students who have successfully completed PSY218 *Self and Identity* or PSY219 *Psychology: The Individual and Society* or S357 *Social Psychology II* may not enrol in this unit for credit.

### **Psychology: Sensory Abilities and Disabilities (PSY358)**

*Credit Points:* 4

*Murdoch:* S2-internal

This unit explores how humans experience the world around them through senses and chiefly vision, audition, smell, taste, and proprioception; and how these biological, sensory inputs are used

in the psychological process of perception. Students will examine: the physiological foundations of sensation and perception; psychophysical methods; phenomenology; deficiencies in sensor abilities; and issues related to the societal label of Disabilities. The unit also explores applications of neuropsychology to people who are impaired as a result of brain injury.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.*

*Exclusions: Students who have successfully completed PSY216 Psychology of Perception may not enrol in this unit for credit.*

*Students are strongly recommended to have completed PSY351 Psychology: Biological Bases of Behaviour before enrolling in this unit.*

### **Psychology: Social Bases of Behaviour (PSY248)**

*Credit Points: 4*

*Murdoch: S2-internal*

*KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal*

This unit explores how we make sense of ourselves and others, and how the 'actual, imagined or implied' presence of others influences our thoughts and behaviours. We will examine what social psychology can tell us about fundamental questions like 'Who Am I?', as well as 'real-world' topics like 'Why are people cruel (and when will they be kind)?' In doing so, students will learn about major theories, methods and classic studies of social psychology.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods.*

*Exclusions: Students who have successfully completed PSY107 Introduction to Social Psychology may not enrol in this unit for credit.*

### **Psychology: The Developing Mind (PSY249)**

*Credit Points: 4*

*Murdoch: S2-internal*

Between birth and adulthood, dramatic changes take place in an individual's understanding of the world and in many of his/her cognitive skills and abilities. This unit will examine these changes and theories offered to explain them. Developmental insights into the functioning mind will be explored, with specific application to formal and informal learning. The unit will address patterns of development common to most humans, the extent and nature of individual differences within age groups and possible reasons for these.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: PSY141 Introduction to Psychological Science OR PSY171 Introduction to Applications of Psychology OR PSY173 Introduction to Psychological Research Methods; PSY247 Psychology: Human Development OR PSY143 Introduction to Developmental Psychology.*

*Exclusions: Students who have successfully completed PSY221 Cognitive Development and Individual Differences may not enrol in this unit for credit.*

### **Psychology: Work and Organisations (PSY217)**

*Credit Points: 4*

*Murdoch: S1-internal*

*KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal*

This unit provides an introduction to the study of human behaviour in the workplace. It will be of value to those whose career draws them into organisational settings, as well as those intending to specialise in organisational psychology. The unit explores a range

of issues, which are relevant to the psychological understanding of organisations and the individuals who participate in them. Workshops and assessments aim to give students a practical understanding of topics while developing key skills for the future.

*Lectures/tutorials/laboratories/seminars: 3 hours per week.*

*Prerequisites: Nil.*

*Exclusions: Students who have successfully completed S144 Psychology of Work may not enrol in this unit for credit.*

### **Psychotherapy in Practice (PSY569; was PSY575)**

*Credit Points: 3*

*Murdoch: Y-internal*

This unit will focus on professional, practical and methodological issues related to the practice of psychology, including: training in interviewing and general counselling skills; ethical and legal issues; psychopharmacology, managing a psychology practice, cultural and ethnic issues; oral and written case formulation; presentation skills; consultation; systematic decision making and clinical topics as negotiated.

*Seminars/workshops: 3 hours per week or equivalent. Due to the nature of this unit, students should seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period. At times, seminars or workshops are run in non-standard teaching times.*

*Prerequisites: Enrolment in MAppPsych (Clinical) or DPsych (Clinical) or MAppPsych (Clinical)/PhD. Co-requisite: PSY537 Clinical Psychology: Internal Practicum (Child, Youth and Family) and/or PSY538 Clinical Psychology: Internal Practicum (Adult).*

*This unit was previously PSY575/S575 Professional Practice Issues.*

### **Public Health (CHI2631)**

*Credit Points: 2*

*Not available 2011*

*Prerequisites: Enrolment in the BHSc in Chiropractic.*

### **Public Health (CHI509)**

*Credit Points: 2*

*Murdoch: T2-internal*

This unit is concerned with the health of the community as a whole. It will review the main determinants of mortality and morbidity internationally but with emphasis on Australia. Public Health also reviews community groups and special populations. Scenarios and problem solving derived from larger populations and a research project will form an important component of this unit and students will work in small groups to achieve this. Expert interdisciplinary practitioners with experience in the area of specialty will present.

*Lectures: 2 hours per week; project works/seminars: 2 hours per week.*

*Prerequisites: Enrolment in BSc Exercise Physiology OR Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4, OR by special application to the Unit Coordinator.*

### **Public Health Policy (POL510)**

*Credit Points: 4*

*Not available 2011*

This unit examines the process and implementation of health policy decisions in their political, bureaucratic and social settings. Special attention will be paid to the Hong Kong experience and case studies will be used to illustrate critical aspects of the decision-making process.

*Prerequisites: Nil.*



### Public International Law (LAW365)

Credit Points: 4

Murdoch: S2-internal

Examines the nature, origin, sources and subjects of international law, and the structure, principal rules and values of the international legal order. Topics: solution of disputes between states, law of the seas, international economic and trade mechanisms, self-determination and the protection of human rights. Focus: learning how to determine what the law is. Other issues: the role of law in resolving disputes, the role of international organisations in maintaining world order, the role of public international law in Australian courts.

Lectures: 3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L258/LAW258 Australian Administrative Law, L259/LAW259 Constitutional Law.

### Public Policy Analysis (POL230)

Credit Points: 4

Murdoch: S2-internal, S2-external

How do problems come to the attention of governments? Who is involved in the policy-making process? Pressure groups? The media? Think tanks? Who else? What are their goals? How are problems handled? How are policies evaluated? Theoretical explanations are combined with practical examples from Australia and overseas to provide students with a critical understanding of how policy is made. The unit also equips students with the main conceptual tools for analysing the impact of a policy or policy recommendation.

Up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S524 Practice in Public Administration and Policy Making may not enrol in this unit for credit.

### Public Policy Analysis (POL530; was POL430)

As for POL230 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Public Relations: Contemporary Approaches (MCC204)

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal

This unit explores a range of contemporary theories of, and approaches to, public relations in key areas including corporate social responsibility, intercultural communication and reputation management. It provides a deepening of students' understanding of public relations theory and professional practice developed in MCC107. Thus, students will also refine and extend their skills in both writing and evaluating public relations-specific texts, such as media releases, feature articles and communication plans.

Lectures: 1 hour; tutorials: 1.5 hours.

Prerequisites: MCC107 Introduction to Public Relations.

Exclusions: Students who have successfully completed MSC235 Public Relations: Principles and Writing Practice may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Public Relations: Contemporary Approaches (MCC504; was MCC404)

As for MCC204 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in Honours or Postgraduate course.

Exclusions: Students who have successfully completed MSC235 Public Relations: Principles and Writing Practice or MCC404 Public Relations: Theory and Writing may not enrol in this unit for credit.

### Qualitative Approaches to Research (EDU643; was EDU443)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit addresses qualitative research designs and methods in Education and Social Science. Qualitative research designs such as phenomenological, historical and ethnographic approaches, case studies and action research are critiqued. Emphasis is given to how qualitative approaches can build theory and deepen understanding. Methods for generating and analysing data will be addressed, including for example, participant observation, discourse and content analysis, interviews and focus groups. Additionally, interpretive and theoretical frameworks, markers of quality and ethics in qualitative research are considered.

Internal: 3 hours per week.

Prerequisites: EDU403/603 Introduction to Research for Educators, F434/EDU434/F634 Qualitative Research Methods I, R315/PSY315 Psychology: Qualitative Methods, or permission of the Unit Coordinator. For the 600-level version of the unit participants must be enrolled in a postgraduate qualification. For the 700-level unit, enrolment in the Doctor of Education. Those enrolled in other courses should contact the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Qualitative Approaches to Research (EDU743; was EDU643)

As for EDU643 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Qualitative Business Research Methods (MBS619)

Credit Points: 4

Murdoch: S2-internal

Qualitative research focuses on understanding, rather than predicting or controlling phenomena. Many business researchers believe it an essential approach in the study of the complexities of humans in business. The unit will examine the rationale and major principles underpinning qualitative research and consider popular methods in use. Students will consider the qualitative approaches to data collection and participate in a small project requiring analysis and interpretation. Students will also develop their observation, interviewing and recording skills.

Lectures/seminars/workshops: 3 hours per week.

*Prerequisites:* Students must be enrolled in a Murdoch Business School postgraduate course.

*Co-requisite:* Internet access if studying externally.

*It is desirable to have completed MBS620 Advanced Business Research Methods Seminar prior to completing this unit.*

### **Quality and Safety in Health Care (NUR601)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external

This unit is designed to foster knowledge and understanding of concepts, principles and practices of continuous improvement in a range of health care settings. Participants will develop an understanding of creative, effective and practical approaches to quality and safety and evidence-based strategies for decision-making and apply this in the workplace.

*Lectures:* 2 hours per week; *tutorials:* 2 hours per week.

*Prerequisites:* Enrolment in a postgraduate course.

*Co-requisite:* Internet access if studying externally.

### **Quantitative Approaches to Research (EDU639; was EDU433)**

*Credit Points:* 4

*Murdoch:* S2-external

This unit addresses designs and methods of quantitative research used in educational and social science inquiry. Participants will consider how quantitative data are generated, analysed and interpreted in research and evaluation projects in education and the social sciences. The unit will include a variety of research designs; methods for collecting data using different formats; confirming the quality of data for the purposes for which they are collected; relating sets of data; and methods for comparing groups.

*External:* No attendance required. On-campus meetings will usually be available.

*Prerequisites:* EDU403/603 Introduction to Research for Educators or permission from the Unit Coordinator. For the 600-level version of the unit students must be enrolled in a Postgraduate qualification. For the 700-level unit participants must be enrolled in the Doctor of Education. *Co-requisite:* Internet access if studying externally.

*Exclusions:* Those who have successfully completed A440 Research Design and Analysis for the Social Sciences or E433/E633 Quantitative Research Methods may not enrol in this unit for credit.

### **Quantitative Approaches to Research (EDU739; was EDU633)**

**As for EDU639 except:**

*Credit Points:* 4

*Murdoch:* S2-external

*Prerequisites:* *Co-requisite:* Internet access if studying externally.

### **Quantitative Business Research Methods (MBS616)**

*Credit Points:* 4

*Not available 2011*

This unit provides a critical overview of the quantitative approach and its methods and aims to equip students with technical, statistical and interpretive skills required to design and execute a research project and critically appraise published research. The unit will require students to complete a practical project where raw data is analysed and interpreted using multivariate methodologies. Students will use relevant tools in the SPSS software and engage in both classroom and laboratory learning.

*Lectures/seminars/workshops:* 3 hours per week.

*Prerequisites:* Students must be enrolled in a Murdoch Business School postgraduate course.

### **Quantitative Methods for Business (MBS522)**

*Credit Points:* 4

*Murdoch:* S1-internal

Almost all managers will use descriptive and inferential statistics as part of their work to explain and interpret information. This unit introduces data-analysis and decision making tools for managers. Student will be able to identify situations in which quantitative analysis can support problem solving and decision-making. They will also gain experience in applying decision-analysis techniques and statistical packages in management contexts. These include: the modelling of organisations and business problems, descriptive measures of quantitative data; statistical inference.

*Lectures/seminars/workshops:* 3 hours per week.

*Prerequisites:* Enrolment in a postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

### **Quantitative Methods for Business and Economics (BUS208)**

*Credit Points:* 4

*Murdoch:* S1-internal, S1-external

*DUBAI-ISC:* N1-internal

This unit provides an introduction to the quantitative and mathematical methods that are commonly used in economics and business units. The central topics will be the role of models in economics, calculus and its application to economics and business, constrained and unconstrained optimisation problems in business.

*Lectures:* 2 hours per week; *workshops:* 1 hour per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed C167 Quantitative Methods for Business and Economics may not enrol in this unit for credit.

*Recommended:* Students with a weak mathematics background should complete M164/MAS164 Fundamentals of Mathematics before enrolling in this unit.

### **Radio Presenting and Producing (MCC244; was MED244)**

*Credit Points:* 4

*Murdoch:* S1-internal (quota of 30 places)

This unit introduces students to the real world of live radio broadcasting. Rotating in the roles of producer, presenter and journalist you will produce and present a weekly one-hour magazine program on a local community radio station. Through this practice-based experience you will gain deeper knowledge of the policies and practices of the broadcasting industry while increasing your presenting, writing, researching and broadcast journalism skills.

*Lectures/seminars:* 2 hours per week; *tutorials:* 1 hour per week; *program production:* 3 hours per week. (Note: Lectures and workshops/tutorials commence in Week 1 of the semester).

*Prerequisites:* MCC105 Introduction to Radio and Sound (or MED117 Introduction to Radio and Print Production or MED117 Introduction to Radio).

*Exclusions:* Students who have successfully completed MED244 Radio Presenting and Producing may not enrol in this unit for credit.

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.*

*This unit is subject to quota. Quota is due to space and equipment*

constraints and the production intensity. Selection is based on grades achieved in prerequisites. Preference at each step of the selection process will be given to students in the Radio minor.

### **Radio Presenting and Producing (MCC544; was MED444)**

**As for MCC244 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MED444 Radio Presenting and Producing may not enrol in this unit for credit.

This unit is not subject to quota.

### **Radiography: Principles and Positioning (CHI421)**

Credit Points: 4

Murdoch: T3-internal

Expands on principles discussed in years 2/3 relating to image production for most common types of imaging modalities and essential knowledge and skills needed for producing high quality diagnostic radiographs. Covers principles of radiation biology, regulations and practices relating to safety and patient protection; addresses management of in-house radiographic facilities. Practical workshops focus on radiographic positioning for all anatomical regions relevant to chiropractic practice. Utilises equipment in preparation for application within the University's chiropractic clinic. Incorporates undergraduate research stream.

Lectures/workshops: 4 hours per week; laboratories/practicals: 4 hours per week.

Prerequisites: Completion of the BSc Chiropractic or permission from the Academic Chair.

### **Radiology (CHI3602)**

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHS in Chiropractic.

### **Reactor Engineering (ENG361)**

Credit Points: 4

Not available 2011

The fundamentals of chemical reaction engineering are presented in this unit. Topics include: rate of reaction, different types of reactors, reactor sizing, isothermal reactor design, nonisothermal reactor design, multiple reactions, and catalytic reactors. This unit draws heavily on foundation concepts of mass and energy balances, process dynamics and transport phenomena.

Lectures: 2 hours per week; tutorials: 2 hours per week; laboratories: 3 hours per week.

Prerequisites: EXM224 Principles of Unit Operations in Mineral Processing OR ENG241 Principles of Process Engineering.

### **Reading Image and Text (MCC322)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit looks in depth at how texts and images can be critically examined. It involves the practical application of various forms of text and image analysis, including semiotics, discourse analysis, deconstruction, genealogy and psychoanalysis. Particular attention is paid to industrial and commercial texts and images.

Workshops: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Reading Image and Text (MCC622; was MCC522)**

**As for MCC322 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC522 Reading Image and Text may not enrol in this unit for credit.

### **Reading through Multiliteracies (EDU464)**

Credit Points: 4

Murdoch: S2-external

Provides opportunities to extend understanding about teaching and learning reading, with a focus on Years 1 through 10. Aiming to develop theoretically informed pedagogy, considering the impact of children's literature as well as media and technology on learners, current strategies for teaching reading will be critically examined. Processes from emergent to independent reading will be analysed from a multiliteracies perspective. Topics such as implementing literacy programs that consider learner differences in language, culture, gender and ability, will be discussed.

External: No attendance required. On-campus meetings usually available.

Prerequisites: Enrolment in undergraduate or graduate courses in Education. It is recommended that 400-level students successfully complete EDU282/2821 Primary Curriculum 1 (English) (or its equivalent), prior to completing EDU464. If necessary, please contact the Unit Coordinator for advice.

Co-requisite: Internet access if studying externally.

### **Reading through Multiliteracies (EDU664)**

**As for EDU464 except:**

Credit Points: 4

Murdoch: S2-external

Prerequisites: Enrolment in a postgraduate course in Education.

Co-requisite: Internet access if studying externally.

### **Real Time and Embedded Systems (ENG306)**

Credit Points: 4

Murdoch: S2-internal

This unit provides a thorough understanding, knowledge and practical experience in using embedded and computer-based systems in measurement and control applications. Topics: measurement systems; embedded systems, microcontrollers, program development environments; emulators, simulators and in-situ testing; 68HC11/12 and subsystems; watchdog and interrupts; digital signal processing; real-time embedded systems; DAQ Systems; analog and digital I/O; sampling, aliasing and signal conditioning; signal analysis and spectral content; buffered I/O; simultaneous input and output; counting and timing operations; dynamic system simulation.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG267

Control Systems and Process Dynamics.

### Real Time and Embedded Systems (ENG506)

**As for ENG306 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### Rebirth of Europe 1945-2001 (HIS224)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit traces the political, social and economic history of Europe through its post war crisis and decline to its present day resurgence. Critical events in the history of individual states will be discussed alongside major transnational topics including the cold war and its aftermath; the growth and later erosion of the welfare state; the impact on Europe of decolonisation and postcolonial immigration; social tensions including domestic terrorism; supranationalism and the creation of the European Union.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Record Keeping, Documentation and Quality Assurance (CHI3641)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

### Refugee Law (LAW327)

Credit Points: 4

GENEVA: S2G-internal

This unit examines the origins and evolution of Australian and international refugee law. The unit will discuss the scope and limits of refugee's rights, impediments to asylum-seeking in domestic and international contexts, and pressures for refugee law reform. Students will be introduced to the system of refugee status determination in Australia including the legislative framework and significant court decisions. The problems of groups such as women and children will be discussed, and students will participate in refugee status determination simulations.

Contact the School of Law for further information.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

The SP8 enrolment option for this unit is offered as part of the International Human Rights Law Program in Geneva, Switzerland. Enrolment in this program is by application, and applications require payment of non-refundable deposit. Students enrolling in the program are responsible for their own airfares, accommodation and incidental expenses during the program. Contact the School of Law for further information.

### Rehabilitation and Management of Sports Injuries (CHI687)

Credit Points: 4

Murdoch: H-external, Y-external

Builds on undergraduate training as well as complementing clinical practice experience. The essential premise is to develop the knowledge base for progressing the patient's care beyond the acute

phase and developing stability to an unstable body region. The student will also build upon their current understanding of the various neuromusculoskeletal (NMS) processes and be able to recognise the key components of each. This will develop diagnostic skills and injury interventive and preventive skills for the NMS systems.

External.

Prerequisites: Completion of Chiropractic degree or equivalent. Enrolment in the Postgraduate Diploma in Sports Chiropractic or the Masters of Sports Science.

Co-requisite: Internet access if studying externally.

### Remedies (LAW358)

Credit Points: 4

Murdoch: S2-internal

Reviews the remedies available in private law. The perspective adopted will be that of the remedial goals, namely compensation, restitution, punishment and coercion. The unit cuts across the traditional compartments of tort, contract and property on the one hand, and law and equity on the other, placing students in a position to critically evaluate the remedial rules in light of the goals which private law seeks to achieve when redressing or preventing legal wrongs.

Seminars: 3 hours per week.

Prerequisites: Successful completion of L120/LEG120/LAW120 Research and Writing; L150/LEG150/LAW150 Australian Legal System; L152/LAW152 Torts; L130/LAW130 Criminal law and Procedure; L260/LAW260 Contract; successful completion of, or concurrent enrolment in, L253/LAW253 Property and L351/LAW351 Equity and Trusts.

### Renewable Energy and Sustainable Development (PEC287)

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

Addresses the challenges of assessing, designing, introducing and maintaining small scale renewable energy technologies in developing countries, particularly in rural areas. It is here that the big increases in global population and energy demand are predicted to occur over the coming two decades. Views the problem in a holistic, rather than a purely technical way. Adopts a broad description of what constitutes renewable energy technology since most energy in developing countries rural areas is currently derived from traditional renewable sources.

Lectures/tutorials: 3 hours per week; occasional practical sessions (Internal students only).

Prerequisites: Nil. Recommended: PEC292/PEC492/PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy Studies and Master of Science in Renewable Energy students should enrol in the higher-level code for this unit.

### Renewable Energy and Sustainable Development (PEC587; was PEC487)

**As for PEC287 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external  
KAPLAN-SGP: T3A-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course. Recommended: PEC492/PEC592 Energy in Society. Co-requisite: Internet access if studying externally.

**Renewable Energy Design Workshop (ENG351)**

Credit Points: 4

Murdoch: S2-internal

This unit focuses on the design of renewable energy systems and in particular, on estimating the performance and economics of such systems. It will focus heavily on the use of simulation programs to estimate these parameters for remote area power applications. The input data requirements, method of operation, and strengths and weaknesses of these simulation tools will be presented. Practical sessions will allow the student to utilise these tools for a range of applications.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: Co-requisite ENG352 Energy Supply Systems.

Exclusions: Students cannot enrol in this unit and PEC623 Renewable Energy Systems Design for credit.

**Renewable Energy Devices (PEC621; was PEC521)**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external

This unit describes the principles of operation, the design, and the particular installation requirements of the major renewable energy power generation devices, including photovoltaic cells, wind turbines, and solar thermal collectors. The devices used to convert or control power flows within systems are also discussed in terms of their function and operational requirements. These include inverters, maximum power point trackers and battery charge controllers. The various energy storage options are also discussed.

Lectures/tutorials: 3 hours per week; 3 practical sessions (Internal students only).

Prerequisites: M492/PEC490/PEC590 Energy Systems.

Co-requisite: Internet access if studying externally.

**Renewable Energy Dissertation (PEC624; was PEC524)**

Credit Points: 8

Murdoch: H-internal, H-external, Y-internal, Y-external

This is a required unit for students in the MSc in Renewable Energy. Full-time students usually enrol over a full year concurrently with the coursework. Part-time students undertake it during the final year. It may consist of literature review and technology assessment or practical investigation of renewable energy system or device. A list of suitable topics is available from the Unit Coordinator or students may choose their own topic provided it is approved by the Unit Coordinator.

No attendance required.

Prerequisites: Enrolment in the Master of Science in Renewable Energy.

Co-requisite: Internet access if studying externally.

**Renewable Energy Resources (PEC622; was PEC522)**

Credit Points: 4

Murdoch: H-external, S1-internal, S1-external

This unit examines the availability and distribution of various renewable energy resources such as solar radiation, wind, hydro, tidal, wave and biomass. The methods for measuring, monitoring and analysing these resources are described and some practical sessions are undertaken to illustrate these procedures. Principles for undertaking a resource assessment for a particular site are presented. This includes sources of data, analysis of that data and estimation of data when actual data is not available.

Lectures/tutorials: 3 hours per week; occasional practical sessions

(internal students only).

Prerequisites: M492/PEC492/PEC592 Energy in Society or equivalent.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot complete this unit and ENG307 Resources for Renewable Energy for credit.

**Renewable Energy Systems Design (PEC623; was PEC523)**

Credit Points: 4

Murdoch: S2-internal, S2-external, Y-external

This unit focuses on the design of renewable energy systems and in particular, on estimating the performance and economics of such systems. It will focus heavily on the use of computer-based design and simulation programs to estimate these parameters. The input data requirements, method of operation, and strengths and weaknesses of these computer-based tools will be presented. Students will use many of these computer-based tools to solve component sizing and design problems.

Lectures/practical sessions: 3 hours per week.

Prerequisites: M492/PEC490/PEC590 Energy Systems or equivalent.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot complete this unit and ENG351 Renewable Energy Design Workshop for credit.

**Renewable Energy Systems Engineering (ENG421)**

Credit Points: 4

Murdoch: S1-internal

This unit covers the design, commissioning and testing of standalone and grid-connected renewable energy systems. Topics include: standalone systems, simulation and system design, component sizing, housings and layout, cabling, earthing, commissioning, testing, monitoring, safety and standards; specification, design, impact, cost and performance of grid-connected systems; relevant power system issues; power conditioning for grid applications. The unit will develop a thorough understanding of entire integrated systems and provide practical experience with working physical systems.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: ENG352 Energy Supply Systems; ENG351 Renewable Energy Design Workshop.

**Representation and Gender (EGL298)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit is concerned with representations of gender and the ways in which those gender identities are constructed and sustained or challenged. The conceptual and practical aspects of representation, particularly in relation to sexuality and culture, are also explored. By examining various texts from popular magazines to Hollywood films, advertising, visual arts and literary texts, and using a range of theoretical approaches, the unit aims to enable students to evaluate representations of gender critically and productively.

Lectures: 1 hour per week; tutorials: up to 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Reproduction and Obstetrics (VET463)**

Credit Points: 3

Murdoch: Y-internal

The reproduction section of this unit covers normal and abnormal

reproductive physiology, endocrinology and anatomy in common domestic animals, and applies that information and understanding to veterinary situations. Lectures and practicals are conducted on examination of male and female animals, evaluation of fertility, control of reproduction, and diagnosis and treatment of reproductive diseases in domestic animals. Obstetrics lectures and practicals cover the processes of parturition in domestic species, with particular emphasis on diagnosis and correction of abnormalities of parturition.

*Prerequisites:* Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging.

### Research and Writing (LAW120)

*Credit Points:* 3

*Murdoch:* S1-internal, S2-internal

This unit provides students with fundamental skills necessary for success in the study of law and in a legal career. It considers the principles of clear writing (or 'plain English') in various kinds of legal writing. It may cover areas of law like the drafting and interpretation of wills or it may focus upon the research process. It will introduce students to fundamental legal research skills (particularly in the use of secondary legal materials), and ethical aspects of legal scholarship.

*Lectures:* 1 hour per week; the pattern of tutorials/workshops may vary between semesters: from 1 hour per fortnight to 2 hours per week.

*Prerequisites:* Enrolment in LLB or Juris Doctor.

*Exclusions:* Students who have successfully completed L171/LEG171 Legal Writing or LEG120 Research and Writing may not enrol in this unit for credit.

### Research and Writing (LEG120)

**As for LAW120 except:**

*Credit Points:* 3

*Murdoch:* S1-internal, S2-internal

*Prerequisites:* Nil.

### Research Methods (CHI3612)

*Credit Points:* 2

Not available 2011

*Prerequisites:* Enrolment in the BHSc in Chiropractic.

### Research Methods and Epidemiology (CHI677)

*Credit Points:* 4

*Murdoch:* H-external, S1-external, S2-external, Y-external

This unit allows students to gain knowledge in the field of sports science specifically addressing research components and epidemiology. Students acquire an appreciation of the research process and an understanding of terminology needed to critically read literature in the field of sports science. A writing exercise will be required allowing the student to apply the provided information.

*External:* No attendance required.

*Prerequisites:* Completion of Chiropractic Degree or equivalent. Enrolment into the MSc in Sports Science including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents. *Co-requisite:* Internet access if studying externally.

### Research Methods in Clinical Veterinary Studies (VET766)

*Credit Points:* 4

*Murdoch:* S1-internal

Become familiar with the ethics of clinical research and gain knowledge of fundamental concepts of designing and analysing clinical veterinary research. Introduction to current investigative methods utilised for in vitro and in vivo veterinary research. Appreciate the process of conducting clinical research and acquire skills to critically evaluate current literature in your field of study. A literature research exercise with oral presentation of proposed study and a written grant application is required to verify the application of the skills acquired.

*Lectures:* 2 hours per week; *tutorials:* 2 hours per week.

*Prerequisites:* Permission of Unit Coordinator.

### Research Project (MBS612)

*Credit Points:* 4

*Murdoch:* H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

This unit may be taken as an elective in any area of study covered in the Master of Business Administration, Master of Business Administration (International Business) or Master of Human Resource Management. A substantial formal report is submitted for assessment and may involve original research, a replication of published research in a different setting or applied studies of a problem-solving nature. Enrolments are subject to the availability of an appropriate staff member to supervise.

Contact your supervisor.

*Prerequisites:* Enrolment in postgraduate-level course, with prior approval of the Academic Chair.

*Co-requisite:* Internet access if studying externally.

Students enrolling in this unit in Singapore or Dubai will need to use a local supervisor.

### Research Project (POL607; was POL507)

*Credit Points:* 8

*Murdoch:* S1-internal, S1-external, S2-internal, S2-external

The research project requires a major report on a relevant topic under the supervision of a member of the academic staff. The project will normally have approximately 12,000 words, completed in accordance with University requirements.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### Research Project and Thesis (EXM436)

*Credit Points:* 12

*Murdoch:* H-internal, H-external, Y-internal

On successful completion of this unit students will be able to plan, execute and report on a research project; select and make a process design of an appropriate metallurgical process for the profitable extraction of a metal/mineral on the basis of the results of the research; enumerate and discuss critical operating procedures of the chosen process; and produce a preliminary economic feasibility study. Students will prepare a thesis on their topic and present a seminar.

*Seminars/tutorials:* 1 per week; *project meetings:* as arranged by Supervisor.

*Prerequisites:* M301/EXM301 Mineral Processing, M302/EXM302 Advanced Mineral Processing, M357/EXM357 Extractive Metallurgy,

M358/EXM358 Pyrometallurgy.

Co-requisite: Internet access if studying externally.

### Resilient Regions: People and Practice (STP311)

Credit Points: 4

Murdoch: SB6-internal (quota of 40 places)

Gives students direct experience of sustainability via ways of living in regions and their communities. This intensive unit includes a week-long residency in early February with additional work scheduled before and after. During the residency, field trips to specific Western Australian locations provide the theoretical and practical elements of sustainability and resilience. Students acquire understanding of: resilience and complex adaptive systems; bioregionalism; endemic sense of place; eco-technologies; participatory politics; eco-entrepreneurial activities; sustainable agriculture; and regional catchment management.

This unit involves a week-long residential at Denmark's Centre for Sustainable Development, requiring approximately 30 hours of contact time. Contact the School of Sustainability for further details.

Prerequisites: Nil.

Students are responsible for additional costs associated with the residence and field trips. Contact the School of Sustainability for further details.

This unit is subject to quota. This quota is necessary because the unit involves fieldwork and a period of residence, and 40 students is the maximum that can be transported and accommodated. Enrolments will be closed once this quota is reached.

### Resilient Regions: People and Practice (STP611)

As for STP311 except:

Credit Points: 4

Murdoch: SB6-internal (quota of 40 places)

This unit is subject to quota. Quota is due to limitations on residence.

### Resources for Renewable Energy (ENG307)

Credit Points: 4

Murdoch: S1-internal

This unit examines the availability and distribution of various renewable energy resources such as solar radiation, wind, hydro, tidal, wave and biomass. The methods for measuring, monitoring and analysing these resources are described and some practical sessions are undertaken to illustrate these procedures. Principles for undertaking a resource assessment for a particular site are presented. This includes sources of data, analysis of that data and estimation of data when actual data is not available.

Lectures: 2 hours per week; workshops: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: PEC152 Principles of Physics; MAS161 Calculus and Matrix Algebra; MAS284 Applied Statistics and Process Management.

Exclusions: Students cannot enrol in this unit and PEC622 Renewable Energy Resources for credit.

### Restorative Justice (CRM231)

Credit Points: 4

Murdoch: S2-internal

Restorative justice is a process whereby parties with a stake in an offence collectively resolve how to deal with the aftermath of the offence. Restorative justice is an alternative model to traditional criminal law under which offenders are deemed to have committed an offence against the state. Restorative justice challenges this assumption and places victim and offender at the centre of the resolution of offences. This unit covers the theoretical

underpinnings, procedures and research on the effectiveness of restorative justice.

Lectures: 3 hours per week

Prerequisites: Nil.

Exclusions: Students who completed LEG300 Special Topics in Legal Studies: Restorative Justice in 2010 may not enrol in this unit for credit.

### Restorative Justice (LAW431)

As for CRM231 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in the LLB or Juris Doctor.

### Restrictive Trade Practices Law (LAW347)

Credit Points: 4

Murdoch: S2-internal

This unit aims to familiarise students with the law on anti-competitive business behaviour. Also known as 'antitrust' and 'competition law', restrictive trading practices include market sharing, price fixing, misuse of market power, exclusive dealings, resale price maintenance, and anti-competitive mergers and acquisitions. In addition to these topics, the unit will cover remedies and enforcement.

3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have completed LAW3005 Special Topics in Law: Restrictive Trade Practices Law may not enrol in this unit for credit.

### Rise of Asia and Modern History (AST331)

Credit Points: 4

Not available 2011

Explore the organising concepts of historical inquiry and human society -- 'culture', 'society', 'modes of production' -- by considering the transformation of the Euro/American core and the rise of Asia since 1400, as a global process of political-economic and cultural interdependencies between capitalism and non-Western societies. The rise of Asia in modern history is best understood within the wider context of global capitalism. The transformation of Europe and rise of Asia cannot be separated: each is the other's history.

External: No attendance required.

Prerequisites: Nil.

### Rise of Asia and Modern History (AST631; was AST531)

As for AST331 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Risk Management (MBS572)

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: TD2-internal

KAPLAN-SGP: T2A-internal

This unit discusses an integrated risk management framework that can be applied to a wide range of industries. It includes private and

public risk management principles. Risk control, risk assessment and implementation of risk management in particular industries will be discussed through case studies. The unit also covers issues such as risk transfer, contractual issues in risk management and loss exposures. On completion of the unit, students should have a comprehensive understanding of risk management techniques and risk management planning.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Rocket Science: Academic Skills for Science Students (TLC123)

Credit Points: 3

Murdoch: S1B-internal, S2K-internal

Peel: S1B-internal

This unit balances practical and theoretical knowledge to enhance students' scientific report writing skills. Aimed at science students (all Physical and Life Sciences, including Psychology), it explores the historical development of scientific knowledge, the relationship between scientific knowledge, worldview and paradigm shifts and the role of scientists in the wider community. Practical report writing skills covered include: writing, reading, referencing and research skills, critical thinking, numeracy, graphs, Excel and time management. The unit starts in Week 3 of semester.

Lectures: 1 hour per week; tutorials: 3 hours per week.

Prerequisites: Nil.

Students enrolled in the Humanities and Social Sciences should enrol in TLC120 Introduction to University Learning instead of this unit. KATEC students should enrol in TLC023.

This unit is designed to develop academic skills for students with a weak science background who are commencing a science degree. It is not intended for students who have a moderate or strong science background, for example those who have completed TEE science subjects.

### Rocket Science: Academic Skills for Science Students (TLC023)

As for TLC123 except:

Credit Points: 3

Murdoch: S1B-internal, S2K-internal

Prerequisites: Concurrent enrolment in the Kulbardi Aboriginal Tertiary Entrance Course.

Information sessions are conducted in the first two weeks of semester for students interested in this unit: contact the Student Learning Centre for further details.

KATEC students hoping to enrol in the Humanities and Social Sciences should enrol in TLC020 Introduction to University Learning instead of this unit.

A result of Ungraded Pass or Fail is awarded for this unit.

### SCADA and Instrument Systems (ENG345)

Credit Points: 4

Murdoch: S2-internal

This unit provides a thorough understanding, knowledge and practical experience in SCADA, DCS and process oriented instrumentation systems. Topics include: Process instruments, types, sizing; pressure, flow, load, temperature and level instruments; control elements, hydraulic, pneumatic, electric, mechanical; process instrument and systems communication technologies, field-bus technologies; evolution of SCADA and DCS systems; system architectures; system integration and sizes; operator interfaces, alarm management, and process plant practices. The

unit will include some site visits.

Lectures: 2 hours per week; workshops: 2 hours per week; laboratories: 4 hours per week.

Prerequisites: ENG262 Principles of Electronic Instrumentation; ENG267 Control Systems and Process Dynamics.

### SCADA and Instrument Systems (ENG545)

As for ENG345 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

### School Experience: Primary BEd (EDU3153)

Credit Points: 3

Murdoch: AW2-internal

Rockingham: AW2-external

Students undertake a number of days of school-based experience. This is an opportunity to try a variety of techniques and approaches in a classroom context under the guidance of a Murdoch University Supervisor. Students must be currently enrolled in or have successfully completed the relevant curriculum unit to be eligible for a placement in schools. Students enrolled in required curriculum units externally must complete school experience in the Perth metropolitan area.

Total of 15 days in a school, including a 2-week block.

Prerequisites: Enrolment in BEd (Early Childhood and Primary) or BEd (Primary) or BEd (Primary)/BA (Australian Indigenous Studies) and EDU101/1011 Introduction to Teaching; successful completion of EDU285 Primary Curriculum III (Mathematics).

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.

Exclusions: Students enrolled in GradDipEd(Primary) should not enrol in this unit, but rather EDU2151 School Experience: Primary Graduate as recommended in the course structure.

A result of Ungraded Pass or Fail is awarded for this unit.

### School Experience: Primary BEd (EDU3154)

As for EDU3153 except:

Credit Points: 2

Murdoch: AU9-external

Rockingham: AU9-external

2 weeks full-time.

Prerequisites: Enrolment in BEd (Early Childhood and Primary) or BEd (Primary) or BEd (Primary)/BA (Australian Indigenous Studies) or BEd (Primary Graduate) and EDU101/EDU1011 Introduction to Teaching; successful completion of EDU286 Primary Curriculum IV (Society and Environment, Science).

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Students must lodge a MUSE Placement Form by the due date with the MUSE Office to guarantee a school placement.

Co-requisite: Internet access if studying externally.



Exclusions: Students in the GradDipEd (Primary) should not enrol in this unit.

A result of Ungraded Pass or Fail is awarded for this unit.

### School Experience: Secondary BEd (EDU3161)

Credit Points: 2

Murdoch: AU9-external

Students undertake a two-week block of school-based experience. This is an opportunity to try a variety of techniques and approaches in a classroom context under the guidance of a Murdoch University Supervisor. Students must complete the required preparation to be eligible for a placement in schools. Students enrolled in required curriculum units externally must complete school experience in the Perth metropolitan area. This only applies if this is the first curriculum based school experience.

2 weeks full-time.

Prerequisites: Enrolment in a Bachelor of Education (Secondary) or Bachelor of Education (Secondary Graduate) course and successful completion of E101/EDU101/E1011/EDU1011 Introduction to Teaching as well as successful completion of EDU3163 School Experience: Secondary BEd plus successful completion or concurrent enrolment in relevant curriculum unit.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Co-requisite: Internet access if studying externally.

Exclusions: Students in the GradDipEd (Secondary) should not enrol in this unit.

A result of Ungraded Pass or Fail is awarded for this unit.

### School Experience: Secondary BEd (EDU3162)

As for EDU3161 except:

Credit Points: 2

Murdoch: AU9-external

Prerequisites: Enrolment in a Bachelor of Education (Secondary) or Bachelor of Education (Secondary Graduate) course and successful completion of E101/EDU101/E1011/EDU1011 Introduction to Teaching as well as successful completion of EDU3163 School Experience: Secondary BEd plus successful completion or concurrent enrolment in relevant curriculum unit.

Students must have both a current WA Department of Education National Criminal History Record Check and a Working with Children (Criminal Record Checking) Act 2004 clearance from the Department of Community Development on file in the Murdoch University School Experience (MUSE) Office prior to commencement of this unit. Co-requisite: Internet access if studying externally.

Exclusions: Students in the GradDipEd(Secondary) should not enrol in this unit, but rather in EDU2162 School Experience: Secondary GradDipEd as recommended in the course structure.

A result of Ungraded Pass or Fail is awarded for this unit.

### Schools in Context (EDU231)

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external

Rockingham: S1-internal

This unit introduces students to the social contexts of education. Students will examine the relationship between education and the larger society; the aims of education and the ways these aims are expressed through policy and practice; and issues related to social division. Sociological, philosophical and political perspectives are used to explore how social justice relates to curriculum and

classroom practices. The unit culminates in the development of a research paper which analyses a sociological or political aspect of education.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Schools in Context (EDU231)

As for EDU231 except:

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Science and Religion (THE280)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit looks at the relationship between science and religion in western culture which has been cooperative and confrontational. The unit will look at science and religion in the ancient world, the medieval world of Christianity and Islam, and the Enlightenment to the nineteenth century when there was a growing divide between the two worldviews. The second half of the unit will look at various issues in modern science and religion such as biology and medicine, and physics.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Science and Religion (THE480)

As for THE280 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Science and the Curriculum (Secondary) (EDU2742)

Credit Points: 3

Murdoch: S1-external

This unit, through campus learning activities, aims to develop in students:

an awareness of, and competence with, methods used to promote working scientifically in secondary science classrooms; knowledge of curriculum developments in secondary science, and the ability to assess the suitability of these developments for local schools; and a concern for, and competence with, strategies for promoting student interest in science.

All students will be equipped to teach both physical science and biological science in Years 8 to 10.

Lectures/workshops: 26 hours.

Prerequisites: Enrolment in the Graduate Certificate in Science Teaching.

Co-requisite: Internet access if studying externally.

### Science and the Curriculum (Secondary) (EDN317; was EDU2731/EDU2741)

As for EDU2742 except:

Credit Points: 2

Murdoch: S1-internal, S1-external

Lectures/workshops: 26 hours.

Prerequisites: Enrolment in a teacher education course [either BEd

(Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work OR EDU101/EDU1011 Introduction to Teaching; a major in a science discipline relevant to high school science teaching.

Co-requisite: Internet access if studying externally.

Curriculum teaching minor in Science requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from one of the following majors: Biological Sciences, Biomedical Sciences, Biotechnology, Chemistry, Conservation Biology and Wildlife Biology, Environmental Science, Environmental Technology, Extractive Metallurgy, Forensic Biology and Toxicology, Marine Science, Molecular Biology or Physics and Nanotechnology, or equivalent.

### Science and the Curriculum (Secondary) (EDN417; was EDU273/EDU274)

**As for EDU2742 except:**

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Lectures/workshops: 50 hours (includes the equivalent of two days of intensive workshops during Winter Term).

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Primary) or GradDipEd (Secondary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching; a major in a science discipline relevant to high school science teaching.

Co-requisite: Internet access if studying externally.

Students should also be enrolled in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary)/Bachelor of Science where taking this unit (EDU274) as a curriculum major.

OR

Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDU2741 as a curriculum minor

OR

Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) and taking EDU274 as a curriculum major or EDU2741 as a curriculum minor.

### Science Communication (EDN398; was EDU398)

Credit Points: 4

Murdoch: S1-internal, S1-external

Science education as science communication: science teachers mediate between scientists and students in primary, secondary and postsecondary institutions; science journalists mediate between scientists and the general community. What is science communication and what are the dominant models? The main audiences? The contexts in which science communication occurs?

Workshops/seminars: 3 hours per week for 10 weeks.

Prerequisites: For the 600-level version of the unit, enrolment in a Postgraduate qualification or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### Science Communication (EDU698)

**As for EDN398 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Science Functions and Modelling (KACo63)

Credit Points: 3

Not available 2011

This unit introduces students to science modelling and functions through practical applications. Investigative and exploratory activities will encourage students to become actively involved in the learning of sciences. This unit is essential for students who wish to undertake further studies in science or business.

3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbaradi Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

### Screen Production I (MCC128; was MED107)

Credit Points: 3

Murdoch: S1-internal (quota of 102 places), S2-internal  
DUBAI-ISC: N2-internal

This is an introductory unit for students who wish to learn how to produce film and television. Students are introduced to a variety of existing production crafts that can be applied within a digital video environment. These include scriptwriting, editing, camera, sound and producing. Alongside these practical creative skills, students will develop an understanding of photographic history, style and genre.

Lectures: 1 hour per week; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MED107 Screen and Sound Production I (TV Studio) or MCC128 Screen and Sound Production I (TV Studio) (or H222 Screen Production) may not enrol in this unit.

This unit is subject to quota. This is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students intending to major in Screen and Sound (BMedia).

### Screen Production II (MCC226; was MED226)

Credit Points: 4

Murdoch: S1-internal (quota of 80 places)

DUBAI-ISC: N2-internal

This unit is designed to encourage students to develop their intellectual and expressive capacities in screen (video) production. Students are taught aesthetic and conceptual conventions, operational and technical skills, and the production process by means of demonstrations and individual and group work. Students work individually and in groups to produce creative work on HD video. The unit includes location production.

Lectures: 1 hour per week; workshop: 2 hours per week.

Prerequisites: MCC128 Screen and Sound Production I (TV Studio) (or MED107 Screen and Sound Production I (TV Studio) or MED107 Screen Production I (TV Studio)) AND MCC116 Introduction to Screen and Sound Studies (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies).

Exclusions: Students who have successfully completed MED226 Screen

and Sound Production II may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

This unit is subject to quota. Quota is due to space and equipment constraints and the production intensity. Selection is based on grades achieved in prerequisites. Preference will be given to students in Media Studies (BA) and Screen and Sound (BMedia).

### Screen Production II (MCC526; was MED426)

**As for MCC226 except:**

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MED426 Screen and Sound Production II may not enrol in this unit for credit.

This unit is not subject to quota.

### Screen Texts (MCC248; was MED232)

Credit Points: 4

Murdoch: S2-internal, S2-external

KAPLAN-SGP: T2A-internal

KDUPJ: S2K-internal

SGP1: T2B-internal

This unit is designed as a direct follow-up to MCC116 Introduction to Screen and Sound Studies. It continues that unit's emphasis on the textual nature of film (image and sound), but does so from a combined perspective of political context, film history, and detailed film analysis drawn from a range of theoretical models.

Lectures/screenings: 3 hours per week; tutorials: 1.5 hours per week.

Prerequisites: MCC116 Introduction to Screen and Sound Studies (or MED116 Introduction to Screen and Sound Studies or MED116 Introduction to Screen Studies) OR EGL106 Introduction to Drama.  
Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MED232 Screen Texts may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise. Students enrolled at the Dubai campus should enrol in MCC2481.

### Screen Texts (MCC2481)

**As for MCC248 except:**

Credit Points: 4

DUBAI-ISC: N1-internal

This unit is restricted to students enrolled at the Dubai campus.

### Screen Texts (MCC548; was MED432)

**As for MCC248 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MED432 Screen Texts may not enrol in this unit for credit.

### Second/Foreign Languages and the Curriculum (EDN316; was EDU2741/EDU2761)

Credit Points: 2

Murdoch: S1-internal, S1-external

The aim of this unit is to provide intending teachers of a second or foreign language with necessary skills in the areas of curriculum design and implementation. The unit comprises the general study of language and the curriculum, together with providing some opportunity for working with specific language curricula. It examines language teaching practice, and gives students the opportunity to explore a variety of classroom techniques and approaches.

EDN416/EDN516: Lectures/workshops: 50 hours (includes the equivalent of 1.5 days intensive workshops during Winter Term).

EDN316: Lectures/workshops: 40 hours in Semester 1.

EDN3162: Lectures/workshops: 40 hours in Semester 1.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in a Teacher Education course;

EDN112/EDN1121 Understanding Teachers' Work or E101/EDU101/E1011/EDU1011 Introduction to Teaching.

EDN416/EDN516: Languages (LOTE): Adequate language skills (this should be confirmed with the unit co-ordinator); TESL: high level of English language competence.

EDN316: Languages (LOTE): Adequate language skills (this should be confirmed with the unit co-ordinator); TESL: Nil.

Co-requisite: Internet access if studying externally.

Enrolment in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) for students taking this unit (EDN416) as a curriculum major

OR

Enrolment in EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) and taking EDN316 as a curriculum minor

OR

Enrolment in EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary) as a curriculum major (EDN416) or minor (EDN316)

OR

Students enrolled in the Bachelor of Education (Primary) or Bachelor of Education (Primary) (Graduate) may enrol in EDN416 in lieu of EDU231 Schools in Context

OR

Students enrolled in the Graduate Diploma in Education (Primary) may enrol in EDN3162 in lieu of EDU2311 Schools in Context.

Curriculum teaching minor in Second/Foreign Languages requires a minimum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from the Asian Studies majors.

### Second/Foreign Languages and the Curriculum (EDN3162; was EDU2762)

**As for EDN316 except:**

Credit Points: 3

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Second/Foreign Languages and the Curriculum (EDN416; was EDU274/EDU276)

**As for EDN316 except:**

Credit Points: 4

Not available 2011

## Second/Foreign Languages and the Curriculum (EDN516; was EDU476)

### As for EDN316 except:

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Prerequisites: Enrolment in a Postgraduate Education course. Eligibility must be confirmed with the Unit Coordinator.

EDN416/EDN516: LOTE: Adequate language skills; TESL: high level of English language competence.

Co-requisite: Internet access if studying externally.

## Semester in China (BUS347)

Credit Points: 12

Murdoch: S1-internal, S2-internal

Provides students with an opportunity to gain first-hand experience of China during six months of intensive language training at a Chinese tertiary institution. The unit teaches competence in all aspects of the Chinese language. Students have opportunities to conduct research projects on Chinese business. Industrial scholarship recipients will enjoy work experience in Rio Tinto's Shanghai office. By the end of semester students will have a good grasp of contemporary Chinese culture and society.

Prerequisites: BUS102 Introductory Chinese and BUS233 Conversational Chinese, or permission of the Unit Coordinator.

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Indonesia (IND243)

Credit Points: 12

Murdoch: S1-internal, S2-internal

Students spend a semester studying at an Indonesian university, undertaking various studies, which may include intensive language, fieldwork and area studies.

Prerequisites: Vary, but admission requires permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission.

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Academic Chair. Strict conditions and additional costs may apply. Postgraduate students should enrol in the higher-level code for this unit except where the course structure states otherwise. Contact the Asian Studies Office for further information.

Students undertaking this unit will need to be aware of Travel warnings as published by DFAT.

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Indonesia (IND343)

### As for IND243 except:

Credit Points: 12

Murdoch: S1-internal, S2-internal

Prerequisites: Vary, but admission requires permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission. Plus IND361 Indonesian III (minimum 4 points).

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Indonesia (IND643; was IND443)

### As for IND243 except:

Credit Points: 12

Murdoch: S1-internal, S2-internal

Prerequisites: Vary, but admission requires permission of the Unit

Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission. Plus IND361 Indonesian III (minimum 4 points).

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Japan (JPN243)

Credit Points: 12

Murdoch: S1-internal, S2-internal

This unit encompasses various studies in Japan, including intensive language, fieldwork and area studies.

Prerequisites: Vary depending on the country, but all require permission of the Unit Coordinator and at least a credit average in Murdoch units. Host institutions may have particular requirements for admission.

Students can take a maximum of 24 points in this unit. Places are limited and all intending students must apply to the Academic Chair. Strict conditions and additional costs apply. Postgraduate students should enrol in the higher-level code for this unit except where the course structure states otherwise. Contact the Asian Studies Office for further information.

Students undertaking this unit will need to be aware of Travel warnings as published by DFAT.

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Japan (JPN343)

### As for JPN243 except:

Credit Points: 12

Murdoch: S1-internal, S2-internal

A result of Ungraded Pass or Fail is awarded for this unit.

## Semester in Japan (JPN643; was JPN443)

### As for JPN243 except:

Credit Points: 12

Murdoch: S1-internal, S2-internal

A result of Ungraded Pass or Fail is awarded for this unit.

## Sentencing and Penology (CRM220; was LEG220)

Credit Points: 4

Murdoch: S1-internal

This unit investigates the theory and practice of sentencing for criminal offences. Attention will be given to the established and statutory reasons and justifications for sentencing and the appropriate use of them. Focus will also be placed on the concepts of sentence administration and the contemporary issues and challenges facing correctional institutions in Western Australia.

Lectures: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: LLB or Juris Doctor students may not enrol in this unit for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

## Sentencing and Penology (LAW420)

### As for CRM220 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: L120/LEG120/LAW120 Research and Writing.

L150/LEG150/LAW150 Australian Legal System, L130/LAW130 Criminal Law and Procedure.

### Services Marketing (BUS324)

Credit Points: 4

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

The learning objectives of this unit are based on analysing the differences between services and tangible goods and the marketing implications of those differences. The development of marketing strategies for service organisations will be critically examined and will include conducting research projects of selected service organisations. The importance of services marketing in both service and manufacturing industries will be analysed together with customer service, relationship marketing and service quality concepts.

Lectures/workshops: 3 hours per week.

Prerequisites: BUS214 Marketing Development and Planning and BUS273 Consumer Behaviour.

### Sexuality, Bodies and Culture (MCC356; was COM356)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit aims to provide a conceptual foundation for participating critically in debates about embodiment and corporeality. Students are introduced to a range of contemporary and historical ideas concerning the intersection of culture and embodiment, and weekly topics focus on both everyday experiences of 'having a body' (such as sexuality, gender, age and representations in popular culture), and formal knowledge-making about bodies (such as medicine, biotechnology and genetics).

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have completed COM356 Sexuality and Culture are not eligible to enrol in this unit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Sexuality, Bodies and Culture (MCC656; was COM556/MCC536/MCC556)

As for MCC356 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed MCC556 Bodies and Culture may not enrol in this unit for credit.

### Shakespeare (EGL308)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit addresses questions surrounding the canonical status in literary and theatrical fields of the Shakespearean text and focuses on ways in which power functions in the cultural matrix within which Shakespearean productions, written or performed, occur. The unit will provide students with an introduction to Shakespeare

'poetics', and an opportunity to read closely several plays. The workshop component has a Theatre in Education focus and adapts a Shakespearean play for public performances.

Lectures: 1 hour per week; tutorials 1 hour per week; workshops 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Shipping Law (LAW339)

Credit Points: 4

Not available 2011

This unit provides an overview of the law applicable to the commercial trade of shipping. It deals with the legal relationships brought about during carriage of goods by sea, including bills of lading, waybills, and the various types of charter parties. The unit considers the complex matrix created by custom, principles of common law (such as tort, contract and bailment) and civil law, international conventions and the laws of individual nations in governing this important area of commercial trade.

3 hours per week.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Exclusions: Students who have successfully completed LAW339/LLM539 Maritime Law may not enrol in this unit for credit.

### Shoulder/Elbow/Wrist/Hand Care (CHI3632)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

### Small Animal Medicine (VET452)

Credit Points: 4

Murdoch: S2-internal

This unit teaches rational approaches to medical problems (both diagnosis and treatment) encountered in dogs and cats. Lectures follow a body system program and laboratories will reinforce these principles in a practical setting. Students at the end of this unit will be able to formulate differential diagnoses lists, diagnostic plans and treatment options for a wide variety of clinical problems.

Lectures: 60 hours; practicals: 24 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

### Small Animal Surgery (VET457)

Credit Points: 3

Murdoch: Y-internal

This unit covers the fundamentals of surgical management of diseases of the dog and cat. The unit content is presented on a systems basis, with the major soft tissue areas (gastrointestinal, urinary, reproductive, cardiorespiratory) covered in Semester 1, and orthopaedics and neurology presented in Semester 2. Laboratory classes are used to develop surgical and other clinical skills.

Lectures: 48 hours in S1; laboratories: 72 hours over S1 and S2.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

**Small Ruminant Medicine and Production (VET419)**

Credit Points: 2

Murdoch: S2-internal

This unit covers the diagnosis, treatment, prevention and control of diseases of sheep and goats. Particular emphasis is placed on the prevention of disease and correction of management and nutritional factors affecting production. The general principles involved in the investigation of sheep flock and goat herd problems and formulation of herd and flock health and production programs is emphasised.

Lectures: 36 hours; laboratories: 12 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine. Completion of VET459 Surgical Secrets, VET456 Anaesthesia, Emergency and Critical Care, VET462 Veterinary Diagnostic Imaging, VET461 General Small Animal Practice.

**Smart Grid Technologies (ENG686)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

This unit addresses the concepts, strategies and devices that can be applied in designing power systems that incorporate distributed generation and storage of energy. These systems are characterised by two-way power flows, the use of distributed generation (especially from renewable resources), and the use of advanced communications in 'smart' relays and meters. Distributed generation and two-way power flows raise a number of issues in power quality, safety, reliability and security that are addressed in this unit.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**SMART: Systematic Modelling and Reconciliation Techniques (ENG674)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

Plant control depends on accurate instrument measurement. In addition, most advanced controllers use a model that is assumed to be closely representing the behaviour of the system. Therefore, any inaccuracies in the plant measurement and model outputs may result in significant deterioration of control performance. Data reconciliation can help in identifying instrument errors, and enhancing plant data or model outputs. This unit is aimed at understanding the principles of data reconciliation and examining the methodologies currently used in industry.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Social and Welfare Law (LEG223)**

Credit Points: 4

Murdoch: S2-internal

An introduction to substantive areas of law which affect the majority of average, low-income citizens. Specific areas which may be explored: social security law, landlord/tenant law, public housing law, criminal injuries compensation, and domestic violence. This unit will also focus on the manner in which problems and disputes in each of the areas are addressed and resolved by legal and government institutions. This unit will be valuable for those students intending to work in community law centres.

Seminars: 3 hours per week.

Prerequisites: L170/LEG170 Legal Process or L100/LEG100 Law, Justice and Social Policy or LEG150 Australian Legal System or permission of the Unit Coordinator and Academic Chair.

Exclusions: LLB or Juris Doctor students may not enrol in L223/LEG223 Social and Welfare Law for credit.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Social and Welfare Law (LAW423)**

As for LEG223 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.

Students taking the unit at the advanced level will be required to demonstrate an ability to work on topics that require more independent thinking and advanced research or analytical skills.

**Social Research Methods (SOC222)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit is designed to develop students' understanding of a range of research techniques used in the social sciences, from action research to surveys, and of relevant philosophical and ethical considerations. Students obtain first-hand experience with some of the methods. Lectures and workshops equip students to understand and critique social research. Examples of research from sociology, psychology, education, community development, tourism and other social sciences are used to illustrate research strategies.

Lectures/workshops: 3 hours per week.

Prerequisites: No knowledge of statistics is required.

Co-requisite: Internet access if studying externally.

**Social Research Methods (SOC522)**

As for SOC222 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Society and Environment Curriculum (Secondary) (EDN318; was EDU2731)**

Credit Points: 2

Murdoch: S1-internal, S1-external

This unit encourages students to develop a critical understanding of the principles and practices of teaching and learning in the Society and Environment learning area in Western Australian secondary schools. Particular attention is given to the construction of Society and Environment curricula within the context of the Western Australian Curriculum Framework and the various ways in which student learning outcomes may be developed, monitored and assessed.

Lectures/workshops: 4 hours per week in Semester 1.

Prerequisites: Enrolment in a teacher education course [either BEd (Secondary) or BEd (Secondary) (Graduate) or GradDipEd (Secondary)]; successful completion of EDN112/EDN1121 Understanding Teachers' Work or EDU101/EDU1011 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Curriculum teaching minor in Society and Environment requires a

maximum of two units (6 points) at Part I-level and at least one unit (4 points) at Part II-level from one of the following majors: Asian Studies, Australian Indigenous Studies, Community Development, Criminology, Economics, History, Legal Studies, Philosophy, Politics and International Studies, or Sociology.

### **Society and Environment Curriculum (Secondary) (EDN418; was EDU273)**

**As for EDN318 except:**

Credit Points: 4

Murdoch: UW2-internal, UW2-external

Lectures/workshops: two 2-hour workshops per week during semester (40 hours) as well as the equivalent of 1.5 days of intensive workshops during Winter Term.

Prerequisites: Co-requisite: Internet access if studying externally.

EDN418: completion or near completion, of a major in the Social Sciences or its equivalent and enrolment in EDU3161 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary).

EDN318: at least 4 points at Part II-level in the Social Sciences or its equivalent and enrolment in either EDU3162 School Experience: Secondary BEd for students enrolled in the Bachelor of Education (Secondary) or EDU2162 School Experience: Secondary GradDipEd for students enrolled in the Graduate Diploma in Education (Secondary).

### **Society, Culture and Ecology in Asia (AST250)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Asia is a region of extraordinary cultural and ecological diversity. This unit combines approaches from anthropology, sociology and ecology to explore the 'traditional' adaptations and 'modern' transformation of cultures in the region. The effects of globalisation and development policies on these societies will be considered, with special attention to indigenous minorities and rural communities. The impacts of changing cultural values and social relations through the green revolution, population pressure, urbanisation, industrialisation, deforestation and tourism will also be addressed.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Society, Culture and Ecology in Asia (AST650; was AST450)**

**As for AST250 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Sociology and Everyday Life (SOC105)**

Credit Points: 3

Murdoch: S2-internal, S2-external

Rapid social and technological change and related processes, such as those of globalisation and individualisation, means we now seem less able to take our everyday lives for granted. This unit illustrates how the study of sociology, a discipline that is currently not well understood in our community, can enhance our ability to reflect upon and respond to these processes.

Lectures/seminars/tutorials: up to 3 hours per week.

Prerequisites: Nil. Highly recommended: S134/SOC134 Introduction to Sociology.

Co-requisite: Internet access if studying externally.

Students who have successfully completed S136/SOC136 Communities and Social Change are not required to take SOC105 as a core unit for Sociology and Community Development majors but may take this unit as a general elective.

### **Sociology of Law (SOC262)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit aims to acquaint students with analytical tools for exploring the social operation of law and to provide an overview of debates within sociology about the best way to approach questions of law. Students will be encouraged to analyse a range of issues where law and society meet including the legal profession, crime, police, torture and punishment.

Lectures/seminars/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Postgraduate students should enrol in the higher-level code for this unit.

### **Sociology of Work (SOC256)**

Credit Points: 4

Not available 2011

Examine the changing nature of work and workplace cultures and the relationships between differing forms of work in contemporary society. Analyses of issues related to gender, ethnicity and class as they interrelate with the labour process provide core themes. Topics include relationships between employment and unemployment, paid and unpaid work, formal and informal economies, technological change, deskilling and reskilling, broad patterns of production and consumption, and the relative power of capital, the state, the professions and unions.

Lectures/seminars/tutorials: up to 3 hours per week.

Prerequisites: Nil.

Postgraduate students should enrol in the higher-level code for this unit.

### **Sociology of Work (SOC556; was SOC456)**

**As for SOC256 except:**

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### **Software Architectures (ICT306)**

Credit Points: 4

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T3A-internal

The objectives of this unit are to study different software architectures and their implications for software design. Major topics include: pipe-filter architecture and regular expressions, Client-Server architecture, batch versus run-time validation design, object-oriented design and UML, dynamic binding and inheritance, event-based architecture, finite state machines and GUI design, Petri Nets, multithreading and synchronisation, layered architectures, design patterns and other architectures. The Java programming language will be used to demonstrate implementations.

Lectures: 3 hours per week; tutorials: 2 hours per week.

Prerequisites: ICT104 Principles of Computer Science; ICT231 Systems Analysis and Design OR ICT239 Software Development Frameworks.

Co-requisite: Internet access if studying externally.

### Software Development Frameworks (ICT239)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit aims to provide an introduction to software development frameworks with an emphasis on language interoperability, platform independence and software reuse using Microsoft .NET Framework. Topics include: Common Language Runtime, .NET Framework Class Library, C# and other .NET languages, and application packaging and deployment. It also discusses the history and background of .NET and its relationship with J2EE.

Lectures: 2 hours per week; tutorials: 2 hour per week.

Prerequisites: ICT102 Introduction to Computer Science.

Co-requisite: Internet access if studying externally.

### Software Engineering (ICT381)

Credit Points: 4

Not available 2011

This unit explores the theory and practice of system development by considering software processes, their management, planning, measurement and improvement. Specific skills covered are: estimation, planning, VV&T, configuration management, defect analysis, quality procedure writing, use of ISO standards (9001 and 15504), user contact, risk management and design and use of quality and complexity metrics. There will also be consideration of formal methods and fault tolerance for highly reliable and safety critical systems plus human factors and professional issues.

Lectures and tutorials: up to 3 hours per week.

Prerequisites: B231/ICT231 Systems Analysis and Design.

Exclusions: Students who have successfully completed B382 Software Engineering II may not enrol in this unit for credit.

Students normally take this unit in their final year.

### Solar Architecture and Health in Buildings (PEC671; was PEC471)

Credit Points: 4

Murdoch: S2-internal, S2-external

The unit, available only to graduate architects in the Master of Science in Environmental Architecture, looks at solar architecture and health in buildings. It starts with an investigation of design solutions for commercial/institutional design in various climates. As part of this it looks at 'solar' philosophy and ethics. The unit also then looks at sick building syndrome, health and solar design, and healthy building design principles.

This unit involves a compulsory short course of 1 week duration held in Perth in June/July of each year, followed by on-line instruction in Semester 2.

Prerequisites: PEC670 Energy Efficient Building Design and enrolment in the Master of Science in Environmental Architecture.

Co-requisite: Internet access if studying externally.

### Soldiers and Civilians: War in the Pacific 1941-1945 (HIS226)

Credit Points: 4

Not available 2011

This unit consists of a comparative history of the Pacific War, considering Japanese, Australian and American perspectives and the war in its political, social, cultural and military aspects. Topics include the role of the Japanese emperor, the debate over the Pearl Harbor attack, the experience of Australian prisoners-of-war,

Japanese wartime civilian experience, the internment of Japanese civilians in Australia and the USA, the importance to all sides of concepts of race, the naval war and kamikaze pilots.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

### Soldiers and Civilians: War in the Pacific 1941-1945 (HIS626; was HIS426)

As for HIS226 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

### Sound (MCC214; was MED214)

Credit Points: 4

Murdoch: S2-internal (quota of 45 places)

Combines critical study of the production of sound for media with an opportunity to develop skills in its use and application in areas such as film and television, radio, music and multimedia projects. Gain an understanding of a range of sound production techniques, such as microphone usage, sound mixing, analogue and digital production techniques, with an introduction to acoustics and psychoacoustics. Access industry standard equipment and technical training, and develop professional, technical and artistic skills and practices.

Lectures: 1 hour per week; workshops: 2 hours per week.

Prerequisites: MCC105 Introduction to Radio and Sound (or MED117 Introduction to Radio and Print Production or MED117 Introduction to Radio).

Exclusions: Students who have successfully completed MED214 Sound may not enrol in this unit for credit.

This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment.

Selection is based on: best mark in the prerequisite unit; best overall academic performance; Unit Coordinator's discretion when other factors need to be considered.

### Sound Design (MCC376)

Credit Points: 4

Not available 2011

Sound Design as a term refers both to the creation of individual sounds and the overall discipline of creating a unified sound component of a creative work. This unit extends skills in recording, editing and mixing sounds to create and synthesise new sound elements, or entire soundtracks, for particular outputs such as industrial sound design, film and television, installations, as well as interactive media such as games or simulations.

Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: Nil.

### Soundtrack (MCC377)

Credit Points: 4

Not available 2011

Sound used in conjunction with images provides a powerful yet invisible way of affecting our experience. This unit aims to explore the use of sound with pictures in films, television and games. The creative use of sound and music in drama, children's television, first person player games and documentary are among the areas that are examined. Students will gain a critical awareness of the potential of sound and music with moving images.



Lectures: 1 hour per week; tutorials/workshops: 2 hours per week.

Prerequisites: Nil.

### Special Population Care (CHI3642)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

### Special Studies Topic in Engineering (ENG396)

Credit Points: 6

Murdoch: S1-internal, S2-internal, SUM-internal

This unit allows students to extend their studies in a subject area outside of their Engineering major. Its purpose is to develop a thorough knowledge and expertise in certain specific areas of engineering. A range of topics are available.

Lectures/tutorials/meetings: By arrangement with the Unit Coordinator.

Prerequisites: Permission of the Engineering Academic Chair.

### Special Topics (CHI678)

Credit Points: 4

Not available 2011

This unit offers the students an opportunity to pursue advanced areas of study in topics that will expand the knowledge framework contained within the Masters course. The topic of interest should be used to gain expertise in their chosen field of interest and result in an expansion their practical skills that will be required in industry or research. It is a requirement that the chosen special topic be approved by the Unit Coordinator and the Academic Chair of postgraduate courses.

Prerequisites: Enrolment in the Master of Neuromusculoskeletal Rehabilitation including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or Postgraduate Diploma in Sports Chiropractic, or their equivalents.

### Special Topics in Applied Psychology (PSY508)

Credit Points: 3

Topic not currently offered

This unit enables students to increase their knowledge and expertise in one of the main specialisations in the course. Topics vary from year to year. Details about topics and their availability should be obtained from the Unit Coordinator prior to enrolment.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Asian Studies (AST253)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Australian Indigenous Studies: Indigenous Spirituality (AIS250)

Credit Points: 4

Murdoch: S1-internal, S1-external

Spirituality for Indigenous Australians takes many forms. Its forms and practices have been profoundly influenced by the impact of colonialism, both past and present. Some Indigenous Australians share the religious beliefs and values of religions introduced into

Australia from other cultures around the world, particularly Europe. But for most people religious beliefs are derived from a sense of belonging to the land, to the sea, to other people, to one's culture. Aboriginal spirituality mainly derives from stories of the 'Dreaming'.

Seminars: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Special Topics in Australian Indigenous Studies: Spirituality (AIS30; was AIS450)

As for AIS250 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in a honours or postgraduate level course.

Co-requisite: Internet access if studying externally.

### Special Topics in Biological Sciences and Biotechnology (BIO280)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Biotechnology (BIO470)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Business (MBS699)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Students must be enrolled in a Murdoch Business School postgraduate course.

Co-requisite: Internet access if studying externally.

### Special Topics in Business: Islamic Banking and Finance (MBS6991)

Credit Points: 4

Murdoch: W-internal, W-external

Islamic banking and finance is a growth industry. This unit will introduce to students the unique system of Islamic shariah-compliant banking and finance and the rules governing its operation. The philosophy behind this new system and the international institutions that are regulating it are other aspects of learning in this unit. The unit will prepare students to enter the Islamic banking and finance labour market.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for winter term.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Special Topics in Chiropractic (CHI332)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Commerce: Logistics and Supply Chain Management (BUS201)**

Credit Points: 4

Murdoch: S2-internal

In an increasingly competitive, complex and globalised world, efficient and effective supply chain management and logistical operations play a critical role in ensuring the success of an organisation. This unit provides an overview of modern logistics and supply chain management. Topics covered include: the fundamental principles of logistics and SCM and their contribution to developing competitive advantage, identifying and maintaining supply chain relationships, examining critical issues that may damage supply chain performance and developing strategies to cope with external events.

Lectures: 1 hour per week; seminars: 2 hours per week.

Prerequisites: Nil. Students will find it helpful to have completed BUS223 Organisational Theory and Behaviour.

**Special Topics in Commerce: Work-Based Business Learning (BUS2011)**

Credit Points: 4

Murdoch: S1-internal (quota of 40 places)

Utilises students' work experiences (from current full-time or part-time jobs) and integrates their formal undergraduate learning outcomes and experiences with their learning at work. Students will reflect on the synthesis between their actual work experiences and the formal in-class learning in their business majors. There are weekly seminars (up to three hours each) and learning activities include: a reflective learning journal; a major individual essay assignment; and a major team assignment. There is no final exam.

Seminars: 3 hours per week over twelve weeks.

Prerequisites: Enrolment in in second or third year of an undergraduate course offered by the Murdoch Business School; completion of minimum 18 points at Part I and permission of the Unit Coordinator; students should be currently working in a part-time or full-time capacity.

Since having an existing job is a required component, students are required to ensure they withdraw from the unit in a timely manner should their working circumstances change.

This unit is subject to quota. Quota is due to limited resources. Enrolment in this unit is limited to those students who are currently studying undergraduate business degrees in their second or third year. Student must be in an existing full-time or part-time job, and contact the Unit Coordinator in the Murdoch Business School for admission to this unit.

**Special Topics in Communication (MCC255; was MSC255)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year. For details contact the School of Media Communication and Culture office.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

**Special Topics in Communication (MCC555; was MSC455)**

As for MCC255 except:

Credit Points: 4

Topic not currently offered

**Special Topics in Criminology (CRM300)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Criminology (CRM3002)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Development Studies: Working in Aid and Development (SSH301)**

Credit Points: 4

Murdoch: W3-internal

This unit explores practitioners' approaches to international aid and development programming. It analyses policy frameworks, project design and implementation with particular emphasis on the practical role of consultants in the work of international development agencies. Topics include engaging local participation, working with NGOs, aid for trade, gender and environment mainstreaming, and project governance. This 'hands on' unit is taught by expert practitioners involved in economic development and governance projects in Africa, Asia and the Pacific.

1 week intensive on campus from 18 to 22 July.

Prerequisites: Nil.

**Special Topics in Development Studies: Working in Aid and Development (SSH601)**

As for SSH301 except:

Credit Points: 4

Murdoch: W3-internal

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Special Topics in Economics (BUS2001)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Economics: Indigenous Economic Development (BUS200)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit covers the broad issues related to Indigenous entrepreneurship and development. Whilst the main focus is on the Australian economy, there will also be a comparative analysis made to the international experiences of Indigenous communities. Specific topics covered include: joint ventures / Indigenous co-management models; resource management, treaty negotiations, property rights and royalties; government policies on indigenous development; valuing cultural heritage; regional

economic development and infrastructure; the hybrid economy; and Indigenous small business enterprises and opportunities.

Lecture: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: AIS180 Introduction to Australian Indigenous Studies OR BUS161 Introduction to Economics.

Co-requisite: Internet access if studying externally.

### Special Topics in Education (EDN211; was EDU211)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

### Special Topics in Education (EDU511)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Education: Gifted Students with Diverse Learning Needs (EDN411; was EDU411)

Credit Points: 4

Topic not currently offered

This unit aims to develop understanding of the needs of gifted students who have additional exceptionalities that impact on their education and social and emotional development. Such exceptionalities may include physical disabilities, emotional or behavioural problems, learning disabilities, attention deficit or executive functioning problems, autism spectrum disorders. These co-existing conditions can be difficult to identify within the gifted population. This unit will address a range of educational strategies to provide successful learning experiences for these children.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Education: Gifted Students with Diverse Learning Needs (EDU611)

Credit Points: 4

Topic not currently offered

This unit aims to develop understanding of the needs of gifted students who have additional exceptionalities that impact on their education and social and emotional development. Such exceptionalities may include physical disabilities, emotional or behavioural problems, learning disabilities, attention deficit or executive functioning problems, autism spectrum disorders. These co-existing conditions can be difficult to identify within the gifted population. This unit will address a range of educational strategies to provide successful learning experiences for these children.

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in Energy Studies (PEC297)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

Honours and postgraduate students should enrol in the higher-level version of this unit.

### Special Topics in Energy Studies (PEC597; was PEC497)

As for PEC297 except:

Credit Points: 4

Topic not currently offered

Prerequisites: Co-requisite: Internet access if studying externally.

### Special Topics in English (EGL291)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

### Special Topics in Environmental Science (ENV330)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

### Special Topics in Environmental Science (ENV630)

As for ENV330 except:

Credit Points: 4

Topic not currently offered

### Special Topics in Extractive Metallurgy: Mineral Resources and the Environment (EXM346)

Credit Points: 4

Murdoch: S1-internal

This unit will cover advanced material in the area of mineral resources and environment.

Lectures: 3 hours per week; workshops/laboratories: 4 hours per week.

Prerequisites: EXM130 Introduction to Earth Sciences OR Approval of Unit Coordinator. Co-requisite (for all students): Internet access.

Exclusions: Students who have successfully completed M254 Mineral and Energy Resources may not enrol in this unit for credit. Students who have completed EXM355 Mineral Resources and Environment or EXM459 Financial Management, Mineral Resources and Environment may not enrol in this unit for credit.

### Special Topics in Extractive Metallurgy: Process Economics (EXM226)

Credit Points: 4

Murdoch: S1-internal

This unit will cover advanced material in the area of financial management and process economics in the extractive metallurgy area.

Lectures: 3 hours per week; workshops/laboratories: 4 hours per week.

Prerequisites: EXM130 Introduction to Earth Sciences OR Approval of Unit Coordinator. Co-requisite (for all students): Internet access.

Exclusions: Students who have successfully completed EXM225 Financial Management and Process Economics or EXM459 Financial Management, Mineral Resources and Environment may not enrol in this unit for credit.

### Special Topics in Gender and Cultural Studies (MCC270; was COM207)

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

*Prerequisites:* Co-requisite: Internet access if studying externally.

*Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.*

### **Special Topics in Gender and Cultural Studies (MCC570; was COM417/MCC470)**

*As for MCC270 except:*

*Credit Points: 4*

*Topic not currently offered*

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

### **Special Topics in History (HIS287)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### **Special Topics in History (HIS287-1)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*This unit is subject to quota. Quota is due to accommodation limitations.*

### **Special Topics in History: The Georgian House in Second Life (SSH203)**

*Credit Points: 4*

*Murdoch: S1-internal (quota of 30 places)*

This unit utilises the virtual world Second Life as a means of exploring aspects of life in Georgian England, 1714-1830. In addition, explore the role of twenty-first century technology in the study of history. Students develop an avatar who resides in the Georgian House. They then conduct a research project in a virtual reconstruction of eighteenth-century London in Second Life, helping to bring the sights, sounds and experiences of Georgian London to life.

*Lectures: 1 hour; tutorials/workshops: 2 hours.*

*Prerequisites:* Nil.

*Access to broadband Internet and computer literacy required.*

*This unit is subject to quota. The availability of computer laboratories with Second Life loaded restricts student enrolment.*

### **Special Topics in Information Technology (ICT228)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year. Details about topics and their availability can be obtained from the Academic Chair.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### **Special Topics in Information Technology (ICT330)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year

to year.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### **Special Topics in Information Technology (ICT560)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year. Details about topics and their availability can be obtained from the Academic Chair.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### **Special Topics in Information Technology (ICT660)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year. Details about topics and their availability can be obtained from the Academic Chair.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### **Special Topics in Language (EGL227)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Law (LAW3002)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Law (LAW3004)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*A result of Ungraded Pass or Fail is awarded for this unit.*

### **Special Topics in Law (LAW3005)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Law (LAW3006)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Law: International Criminal Law (LAW3003)**

*Credit Points: 4*

*Murdoch: SB3-internal (quota of 50 places)*

This unit will examine international crimes such as genocide, crimes against humanity, war crimes, aggression and torture. It will discuss the mechanisms established to deal with the perpetrators, for

example international and hybrid criminal courts, truth commissions and civil suits. The unit will analyse these international crimes and accountability mechanisms in the context of heinous events of the modern era, including the Holocaust, apartheid in South Africa, Cambodia's 'Killing Fields', war in the former Yugoslavia, and military rule in Burma.

*Taught intensively over one week -refer to teaching timetable for details.*

*Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.*

*This unit is subject to quota. Quota is due to limited resources. Preference may be given to students in Law in their final year.*

### **Special Topics in Law: International Labour Law (LAW300)**

*Credit Points: 4*

*Murdoch: UA2-internal*

This unit explores the development of international and European labour and employment law. It examines how the 'European social model', as opposed to the Anglo-Saxon model, mirrors the international model and has generated European union wide standards. The unit focuses on the International Labour Organization and on the European Union. It offers both a general introduction and more advanced exploration of topical issues such as migration, discrimination, worker participation, and the conflicts between free market and labour protection laws.

*Taught intensively over one week -refer to teaching timetable for details.*

*Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract.*

*This unit is subject to quota. If a Summer offering is made available, it will be subject to quota. Quota is due to limited resources. Preference may be given to students in their final year.*

### **Special Topics in Legal Studies (LEG3001)**

*As for LAW3006 except:*

*Credit Points: 4*

*Topic not currently offered*

*Prerequisites: Co-requisite: Internet access if studying externally.*

### **Special Topics in Legal Studies (LEG300)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*Prerequisites: Co-requisite: Internet access if studying externally.*

### **Special Topics in Media (MCC2601)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*This unit is subject to quota. Quota is due to space and equipment constraints and the supervision demands of a production environment. Preference will be given to students majoring in Screen and Sound, Interactive Digital Design, Radio, or Games Art and Design.*

### **Special Topics in Media (MCC5601)**

*As for MCC2601 except:*

*Credit Points: 4*

*Topic not currently offered*

*This unit is not subject to quota.*

### **Special Topics in Media Studies (MCC260; was MED260)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Media Studies (MCC560; was MED460)**

*As for MCC260 except:*

*Credit Points: 4*

*Topic not currently offered*

### **Special Topics in Multimedia (MCC257; was MUL257)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*Prerequisites: Co-requisite: Internet access if studying externally.*

### **Special Topics in Multimedia (MCC557; was MUL457)**

*As for MCC257 except:*

*Credit Points: 4*

*Topic not currently offered*

*Prerequisites: Enrolment in a postgraduate course.*

*Co-requisite: Internet access if studying externally.*

### **Special Topics in Philosophy (PHL283)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

### **Special Topics in Philosophy (PHL483)**

*As for PHL283 except:*

*Credit Points: 4*

*Topic not currently offered*

*Prerequisites: Co-requisite: Internet access if studying externally.*

### **Special Topics in Politics and International Studies (POL219)**

*Credit Points: 4*

*Topic not currently offered*

This unit comprises study in particular topics which vary from year to year.

*Prerequisites: Co-requisite: Internet access if studying externally.*

**Special Topics in Politics and International Studies (POL2191)***As for POL219 except:*

Credit Points: 4

Topic not currently offered

Prerequisites: Co-requisite: Internet access if studying externally.

**Special Topics in Politics and International Studies (POL419)***As for POL219 except:*

Credit Points: 4

Topic not currently offered

Prerequisites: Co-requisite: Internet access if studying externally.

**Special Topics in Politics and International Studies (POL619)***As for POL219 except:*

Credit Points: 4

Topic not currently offered

**Special Topics in Psychology (PSY252)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in SCADA Systems (ENG679)**

Credit Points: 4

Murdoch: S1-internal, S2-internal

Typically this unit will consist of a few small projects in the area of Supervisory Control and Data Acquisition in order to provide a mechanism to address the relevant topics. This will involve computer based control and monitoring of some process or machine via a PC, PLC, PAC or embedded controller. Included as part of the project will be various types of: analysis and design; communications and/or measurement systems; display; monitoring; alarms, data logging; human interaction; documentation; wiring diagrams.

Lectures/tutorials/meetings/laboratories: By arrangement with the Unit Coordinator.

Prerequisites: Enrolment in the Master of Engineering or permission of the Engineering Academic Chair.

**Special Topics in Security, Terrorism and Counterterrorism Studies (POL604)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Sociology (SOC272)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

**Special Topics in Sustainable Development (STP640; was STP540)***As for STP240 except:*

Credit Points: 4

Topic not currently offered

**Special Topics in Sustainable Development: The Future in a Time of Crisis (STP240)**

Credit Points: 4

Topic not currently offered

We are currently experiencing a global crisis with multiple dimensions including economic meltdown, shifting internal power structures, global warming and peak oil. This transdisciplinary unit argues that we need to understand the crisis as a total process and develop skills to respond effectively to the challenges it presents. Accordingly, this unit will present a raft of analytical methodologies derived from futures studies which will be applied to aspects of the crisis, both separately and synergistically.

Lectures/seminars: 2 hours per week.

**Special Topics in Theology (THE473)***As for THE274 except:*

Credit Points: 4

Topic not currently offered

Prerequisites: Co-requisite: Internet access if studying externally.

**Special Topics in Theology: Life and Death in the Ancient World (THE274)**

Credit Points: 4

Murdoch: S1-internal, S1-external

The unit explores ancient understandings of life and death by examining funerary practices and significant texts from a variety of ancient cultures. Texts and burial practices from ancient Egypt, Mesopotamia, Ugarit, and Israel are considered. Texts covered in the unit will include: the Pyramid and Coffin Texts, and the Dead from Egypt; The Descent of Ishtar to the Underworld and the Epic of Gilgamesh from Mesopotamia; the Epic of Aqat from Ugarit; and Ecclesiastes from Israel.

Lectures/tutorials: 3 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Special Topics in Theology: Understanding Judaism (THE204)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit raises the fundamental questions: who are the Jews and what is Judaism? What shaped the foundations of Judaism and how did it evolve into the religion it is today? This course will introduce learners to the origins, evolution, beliefs, and practices of Judaism through the ages as well as its varied expressions today. Ancient texts, current events, anti-Semitism and Zionism, fundamentalism and feminism will all be among the topics considered in this course.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Special Topics in Tourism (TOU228)**

Credit Points: 4

Topic not currently offered

This unit comprises study in particular topics which vary from year to year.

Prerequisites: Co-requisite: Internet access if studying externally.

**Special Topics Review (CHI589)**

Credit Points: 2

Murdoch: T3-internal

Review a range of vital topics which are essential components for clinical practice. Aim: to review and append relevant clinical subjects such as: orthopaedics, neurology, paediatrics, geriatrics, radiology, rehabilitation, manipulative and diagnostic procedures. Additionally, students will be given the opportunity for self-evaluation in order to assess areas of limitation and work with course instructors to address those issues. Assessment will be determined on students' grasp of individual subjects reviewed.

Lectures: 2 hours per week; project work/seminars: 2 hours per week.

Prerequisites: Enrolment in BSc/BChiropractic and the successful completion of Years 1 to 4.

**Spies, Saboteurs and Secret Agents (HIS230)**

Credit Points: 4

Not available 2011

This unit examines famous historical occasions when spies, secret agents or underground saboteurs sought to satisfy the need of governments to obtain political and military intelligence. It considers how they obtained and interpreted this intelligence; how they responded to it; how they tried to keep their own secrets secret; and how secret intelligence has changed history. Underlying the unit is a strong ethical issue: what lengths can a state go in order to preserve itself?

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed this unit as a Special Topic in History may not enrol in this unit for credit.

**Spirituality Studies (THE438)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit examines critical research in spirituality. Some spiritual traditions in Christianity will be explored and the implications of these traditions for contemporary life considered.

Lectures/workshops/tutorials: 3 hours per week.

Prerequisites: At least three 200-level units in Theology. Recommended: THE288 Worship and Liturgy and/or THE285 History of the Christian Church 1: Early and Medieval.

Co-requisite: Internet access if studying externally.

**Spirituality Studies (THE538)****As for THE438 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

**Sport Education (EDN319; was EDU236)**

Credit Points: 4

Murdoch: S2-internal

Rockingham: S1-internal

This unit focuses on the development of skills and understandings for effective sport coaching and officiating in school and community settings. The unit will address the needs of children, adolescents and young adults in sport within the construct of maximising engagement and long term participation in physical activity. On unit completion students will be able to analyse practice and game performance and design, develop and implement athlete-centred learning programs in a variety of contexts, including athletes in elite pathways.

Lectures: 1 x 1 hour per week; workshops: 1 x 3 hours per week.

Prerequisites: EDN116/EDU107 Physical Education.

**Sports Biomechanics (CHI674)**

Credit Points: 4

Murdoch: H-external, S1-external, S2-external, Y-external

This unit will allow the student to gain knowledge in biomechanics within the field of sports science. The unit will encompass discussion in the areas of sports biomechanics specifically addressing physics and human kinetics in areas such as, but not limited to, ball games, gymnastics, athletics, swimming, etc. The focus will be on movement analyses, injury prevention, and performance enhancement from a biomechanical point of view.

External.

Prerequisites: Completion of Chiropractic Degree or equivalent.

Enrolment in the Master of Sports Science.

Co-requisite: Internet access if studying externally.

**Sports Law (LAW377)**

Credit Points: 4

Not available 2011

Sport cuts across many areas of law. Increasing commercialisation, globalisation and professionalisation in sport contribute to its development as a business as well as a pastime. This unit examines the legal and international dimensions involving sports leagues, the structure of sporting organisations, governance of sport, and the impact of administrative law on disciplinary tribunals. Treatment of the athlete as an employee, doping laws, and the impact of intellectual property on sponsorship and promotion of sporting events will also be discussed.

This unit is taught intensively as part of an international program. Please contact the School for further information.

Prerequisites: All Part 1 LLB core units.

**Sports Nutrition (CHI689)**

Credit Points: 4

Murdoch: H-external, Y-external

This unit will allow the student to build on basic nutrition knowledge (gained from undergraduate sports science and health training) and gain distinctive proficiency in sports nutrition within the field of sports science and sports chiropractic. The unit will encompass discussion in the areas of sports nutrition and its practical implications on the athlete's general health, performance and injuries.

External: No attendance required.

Prerequisites: Completion of Chiropractic Degree or equivalent.

Successful enrolment in the Postgraduate Diploma in Sports Chiropractic.

Co-requisite: Internet access if studying externally.

**Sports Psychology (CHI224)**

Credit Points: 2

Murdoch: S1-internal

This unit will provide the student with an understanding of the importance of psychological strengths and their role in improving the change of success in sporting activity. It will provide the most up to date information on how psychology is currently impacting on all areas of modern sport. Covered topics include: the evolution of sport psychology; a healthy mind in a healthy body; the importance of play; skilled performance (the defining aspect); coaching process; applying psychology; sport psychology in action.

Lectures: 2 hours; workshops: 2 hours.

Prerequisites: Nil.

**Sports Psychology (CHI679)**

Credit Points: 4

Murdoch: H-external, S1-external, S2-external, Y-external

This unit allows students to gain knowledge in sports psychology within the field of sports science. The unit will introduce key psychological theories that impact on athletes and coaches, in addition to discussing several families of psychological skills applicable to sport.

External: No attendance required.

Prerequisites: Enrolment into the MSc in Sports Science including completion of 24 points of postgraduate work such as the Postgraduate Certificate/Diploma in Neuromusculoskeletal Rehabilitation or the Postgraduate Diploma in Sports Chiropractic, or their equivalents.  
Co-requisite: Internet access if studying externally.

**Sports Science Practicum (CHI315)**

Credit Points: 8

Murdoch: H-internal, Y-internal

Students will be able to experience the requirements of employment in an exercise or sport science related workplace during practicum placements. Students will utilise knowledge and skills gained in previous years during this supervised practicum. Communication and professionalism skills will also be developed in this unit.

Seminar/workshop: 4 hours per week in Weeks 1 and 2 of Semester 1; 4 hours per week in Weeks 1 and 2 of Semester 2.

Practicum: A minimum of 140 hours to be completed over the duration of this unit.

Prerequisites: CHI208 Sports and Health Assessment and CHI225 Principles of Strength and Conditioning.

**States, Governance and Globalisation (POL606; was POL506)**

Credit Points: 4

Murdoch: S2H-internal

Examine the problematic nature of global governance; focusing on recent changes to the institutions, functions and legitimacy of states; and on the relationships between globalisation and the political functioning of nations. These changes to states and nations provide the framework within which the intergovernmental and supranational institutions of global governance operate, and within which new ideas of international security, sovereignty, citizenship, minority rights etc., are emerging. Examine these structural changes through a discussion of contemporary political issues of international politics.

Intensive course over two weeks during summer (early Feb): ten days, 2.5 hours per day.

Prerequisites: Nil.

**Statistical Data Analysis (MAS183)**

Credit Points: 3

Murdoch: S1-internal, S1-external, S2-internal, S2-external  
DUBAI-ISC: N2-internal

This unit introduces students to methods of collection and statistical analysis of data of particular relevance to the life and health sciences. Topics: numerical and graphical description of data, design and analysis of simple experiments, probability and sampling distributions, introduction to statistical inference, statistical analysis of relationships, non-parametric methods, interpretation of output from statistical software, interpretation of statistical reporting in scientific literature.

Lectures/practical classes: 4 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed M184/MAS184 Biostatistics and Information Retrieval may not enrol in this unit.

**Statistical Design and Data Analysis (MAS374)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit is designed for applied statisticians and scientists who need to apply the principles of statistical science to collect, analyse, interpret and present data of high quality. The rich class of statistical techniques known as regression models, which includes multiple regression, analysis of variance and covariance, and logistic regression are covered. Case studies and student projects explore the use of these techniques on real data from a variety of disciplines using statistical computing packages.

Lectures/tutorials: 4 hours per week.

Prerequisites: M284/MAS284 Applied Statistics and Process Management or M230/MAS230 Biostatistical Methods or M278/MAS278 Probability and Statistical Inference.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either of MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis and Databases concurrently.

**Strategic Communication (MCC681)**

Credit Points: 4

Murdoch: S2-internal

This unit focuses on how organisations present and promote themselves through the purposeful communication activities of leaders, employees, and communication practitioners, including relationship building with targeted audiences. Using case studies about the social and reputational issues confronting contemporary organisations, it examines the links between communication, the media, culture and social change, and identifies managerial strategies for effective communication. The unit employs an integrated, multidisciplinary perspective, drawing on disciplines such as management, corporate communication and marketing communications.

Seminars: 3 hour per week OR Lectures: 1.5 hours per week; tutorials: 1.5 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

Students in the Master of Arts in Communicational Management should enrol in the 6-point version of this unit.



**Strategic Communication (MCC6811)****As for MCC681 except:**

Credit Points: 6

Not available 2011

Prerequisites: Enrolment in the Master of Arts in Communication Management.

Co-requisite: Internet access if studying externally.

Other postgraduate students should enrol in the 4-point version of this unit.

**Strategic Decision-Making (MBS606)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD1-internal, TD2-internal

KAPLAN-SGP: T2A-internal

SGP1: T1N-internal

This capstone core unit assumes a senior management perspective and is concerned with the overall strategies, objectives and policies of the organisation. Topics include strategy analysis, formulation, implementation and evaluation; strategic portfolio, risk and diversification; organisational structure and systems in strategy making; organisational culture; fragmented, emerging, mature, and declining industry environments; and managing strategic change and organisational renewal. There will also be a strong focus on the global competitiveness of companies, industries and nations.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in postgraduate level studies. It is recommended that students complete MBS513 Accounting for Managers, MBS507 Marketing Management, and MBS508 Organisational Behaviour and Management before attempting this unit.

Co-requisite: Internet access if studying externally.

**Strategic Leadership in Health Care (NUR611)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

This unit will focus on organisational management and leadership in the health services. Students' thinking around reframing and transforming organisations will be expanded. Theoretical and practical issues will be explored to expose operational managers to strategic leadership concepts. The unit focuses around five integrated concepts: communities of practice; quality of services; nature of learning; structure and controls and attitudes to chaos, change and transition.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

Co-requisite: Internet access if studying externally.

**Strategic Management (BUS317)**

Credit Points: 4

Murdoch: S2-internal

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This is a capstone unit which is aimed at preparing students to think strategically, and to look at all the issues and problems affecting the strategic initiatives of an organisation, from a total corporate perspective. The unit provides a conceptual framework of corporate strategy and policy formulation, and integrates the key functional areas for business including, organisational learning, innovation, knowledge management, marketing, finance and human resource management for strategic decision making.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS240 Organisation and Management Development and BUS223 Organisational Theory and Behaviour.

**Strategic Marketing Management (MBS507)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

DUBAI-ISC: TD1-internal

KAPLAN-SGP: T2A-internal

SGP1: T3Q-internal

This unit is designed to acquaint students with the marketing function as it is used within a business organisation. Topics include the role of marketing; marketing decision making (market segmentation, consumer behaviour; the marketing mix); product planning and development; distribution; promotion; pricing; marketing strategies and control and evaluation of marketing management. Students will be exposed to some of the critical issues in international marketing and global distribution. Activities include the use and discussion of audiovisual material.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course.

Students in C1083 Postgraduate Certificate in Business Administration (Masterclass) will be enrolled in MBS5072.

Co-requisite: Internet access if studying externally.

Exclusions: Students cannot enrol in both MBS5072 Marketing Management and MBS507 Marketing Management for credit. Students who have completed BUS214 are excluded from MBS507.

**Strategic Marketing Management (MBS5072)****As for MBS507 except:**

Credit Points: 4

Murdoch: W4-internal

Taught intensively during the Winter term.

Prerequisites: This unit is restricted to students enrolled in C1083 Postgraduate Certificate in Business Administration (Masterclass).

Exclusions: Students cannot enrol in both MBS5072 Marketing Management and MBS507 Marketing Management for credit. Students who have completed BUS214 are excluded from MBS5072.

**Structured Workplace Learning Placement -- Information Technology (WKP356)**

Credit Points: 12

Murdoch: S1-internal, S2-internal

Students have the option to include an Industry and Professional Experience Program placement within their degree. The placement will be instituted within organisations appropriate to the course of study. Students will be formally supervised by an academic staff member from their course of study but will also come under the direction of their employer. Both the academic supervisor and the employer, in consultation, will assess the unit. The unit includes some workshops to prepare the students for the workplace experience.

Prerequisites: Permission of Academic Chair. Students will have completed Part I studies, and would normally be in their final year of study and achieved a GPA of 2.5 (out of 4).

Disclaimer: Where work placement is a required component of a course, the University will make reasonable endeavours to locate one for enrolled students. However, it cannot guarantee that it will be able to do so for every student. Ultimately, the acceptance of any student for work placement is a decision for the external employer, based on the circumstances prevailing at the time.

**Students and Schools in Context 1 (EDN331)**

Credit Points: 3

Not available 2011

This unit introduces students to the larger social context of education. Students will examine the relationship between education and the larger society; the aims of education and the ways these aims are expressed through policy and practice; and issues related to social division. Sociological, philosophical and political perspectives are used to explore how social justice relates to curriculum and classroom practices. The unit culminates in the development of a research paper which analyses a sociological or political aspect of education.

Prerequisites: Nil.

**Students and Schools in Context 1 (EDN331)****As for EDN331 except:**

Credit Points: 2

Not available 2011

**Students and Schools in Context 2 (EDN332)**

Credit Points: 3

Not available 2011

This unit introduces students to the larger social context of education. Students will examine the relationship between education and the larger society; the aims of education and the ways these aims are expressed through policy and practice; and issues related to social division. Sociological, philosophical and political perspectives are used to explore how social justice relates to curriculum and classroom practices. The unit culminates in the development of a research paper which analyses a sociological or political aspect of education.

Prerequisites: Nil.

**Students and Schools in Context 2 (EDN332)****As for EDN332 except:**

Credit Points: 2

Not available 2011

**Study of Society and Politics (KAC071)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

Aim: to introduce students to the study of society, its institutions and structures. Topics: family and networks of friends, the political system, work, leisure, tourism, immigration, ethnicity and race. Students will be encouraged to use their everyday experience of Australian society and politics along with the tools of inquiry to begin looking beyond the taken-for-granted views that are held. A key objective will be to introduce students to the key terminology used to represent and understand the dynamics of society.

Workshops: 3 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbardi Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**Succession Law (LAW345)**

Credit Points: 4

Not available 2011

Explores the law that governs the transmission of property on death. Thus, the making of wills and their interpretation, the

administration of deceased estates (including intestacy) and challenges under testator's family maintenance legislation will all be covered. The unit will address both practical and theoretical aspects of succession law.

Lectures/tutorials: 3 hours per week.

Prerequisites: LAW253 Property; LAW351 Equity and Trusts.

**Supervised Legal Research (LAW381)**

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal, Y-internal

This unit offers students the opportunity to work with a staff member who has agreed to supervise a substantial project of legal research in the staff member's area of expertise. Active participation in the supervision process and production of a substantial piece of legal writing between 7000 and 9000 words, in the form of a research essay, opinion, brief, or factum is required. The application to enrol in this unit is available on the School of Law website <http://www.law.murdoch.edu.au/>

No formal contact hours but regular meetings with Supervisor.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract and permission of Supervisor and Law Academic Chair. This unit is open to a student only on the approval of the proposed staff member and the Law Academic Chair.

**Supply Chain Management and Logistics (MBS558)**

Credit Points: 4

Murdoch: SUM-internal, SUM-external

SGP1: T2R-internal

In an increasingly competitive, complex and connected world efficient and effective supply chain management and supporting logistical operations often play a critical role in the success of organisations. This unit provides an overview of key management issues including fundamentals of logistics and supply chain management, developing and maintaining supply chain relationships, managing flow across the supply chain, examining critical issues associated with distribution and transportation and considering the role of electronic business systems in modern logistics and supply chain environments.

Lectures/seminars/workshops: 6 hours (2 x 3 hours) per week for summer term.

Prerequisites: Enrolment in a postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Surgery 1 (VET623)**

Credit Points: 4

Not available 2011

Soft Tissue Surgery: In this unit we explore surgical problems involving the gastrointestinal, urogenital and cardiorespiratory systems, after an introductory section in which we review wound healing and wound management, plastic and reconstructive surgery (including hernia repair) and the principles of oncologic surgery.

External. No attendance required.

Prerequisites: Enrolment in Master of Veterinary Studies or enrolment in Postgraduate Certificate in Veterinary Studies in Small Animal Practice or International Postgraduate Certificate in Small Animal Practice (International).

**Surgery 2 (VET624)**

Credit Points: 4

Murdoch: S2-external

This unit will encourage clinicians to develop their diagnostic and decision-making skills in the area of small animal orthopaedics, enhance skills in critical thinking and information literacy and further develop a problem-oriented clinical approach to case management. Topics include selected joint conditions with a more in-depth review of the clinical skills related to the management of these conditions and fracture decision-making and fracture planning applied within the context of fractures commonly encountered in small animal practice.

External.

*Prerequisites:* Enrolment in Master of Veterinary Studies in Small Animal Practice, or enrolment in Postgraduate Certificate in Veterinary Studies in Small Animal Practice or enrolment in International Postgraduate Certificate in Small Animal Practice (International).

*Co-requisite:* Internet access if studying externally.

**Surgical Principles (VET689)**

Credit Points: 4

Murdoch: S2-external

This unit is concerned with basic science and practice of veterinary surgery as it applies to small animal medicine.

External: No attendance required.

*Prerequisites:* Enrolment in the Postgraduate Certificate in Small Animal Practice (International). All students must complete the offshore workshop prior to enrolment and must have reliable internet access.

*Co-requisite:* Internet access if studying externally.

**Surgical Secrets (VET459)**

Credit Points: 3

Murdoch: S2-internal

This unit explores the reasons behind why some surgical procedures have a very good outcome and others result in serious complications. The concept of what makes a 'good surgeon' is central to the unit material. Topics covered include asepsis, basic surgical principles, suture techniques and suture material, wound healing and wound management. Laboratory classes are used to develop practical skills.

*Lectures:* 24 hours; *laboratories:* 36 hours.

*Prerequisites:* Enrolment in Applied Veterinary Medicine.

**Surveillance Research Project (VET649)**

Credit Points: 12

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

This unit involves the completion of a research project under the supervision of a member of staff. Students must produce a dissertation of between 15,000 and 18,000 words based on their research. The dissertation will be assessed by two staff members or other appropriately qualified people as approved by the Academic Chair.

*Meetings:* as required.

*Prerequisites:* Enrolment in Master of Veterinary Studies in Veterinary Surveillance or permission of the Academic Chair. Students enrolled in the Master of Veterinary Studies in Conservation Medicine are required to have a distinction average in their required units in order to enrol in this elective unit.

*Co-requisite:* Internet access if studying externally.

**Sustainability and Social Justice: The Non Profit Sector (STP303)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Non-profit organisations play an important role in building resilient communities, social justice advocacy and service provision in Australia and internationally. This unit will explore the varied roles this 'Third Sector' plays in delivering sustainability and social justice and will address issues of efficacy, funding, philanthropy, representation, the blurring of the boundaries between government, business and civil society.

*Lectures:* 2 hours per week; *tutorials:* 1 hour per week.

Students are also required to attend three x 2 hour workshops throughout the semester.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed STP303/503 Local Governance may not enrol in this unit.

**Sustainability and Social Justice: The Non Profit Sector (STP603; was STP503)****As for STP303 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

**Sustainability Ethics (STP206)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit explores the philosophical underpinnings of the environmental and sustainable development challenges facing humanity. Sustainability Ethics aims to critically reflect upon our beliefs and practices and the assumptions underlying them. The unit is specifically aimed at exploring the ethical foundations of sustainable living with a particular emphasis given to bringing together theory and practice.

*Lectures:* 1 hour per week; *tutorials:* 1 hour per week.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Sustainability Ethics (STP606; was STP506)****As for STP206 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

*Prerequisites:* Enrolment in an Honours or Postgraduate-level course.

*Co-requisite:* Internet access if studying externally.

**Sustainability, Ecology and Communities (STP212)**

Credit Points: 4

Murdoch: S1-internal, S1-external

The purpose of this unit is to develop knowledge of the practical, conceptual and policy aspects of sustainable development. The unit reviews the global mandate for sustainability but focuses on its implementation at a primary local and State level. The unit presents a range of different ways of thinking about sustainability. A number of tools for planning and implementing sustainability are



introduced.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed S541 Workshop on Sustainable Development or STP212/612 Ecologically Sustainable Development may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### **Sustainability, Ecology and Communities (STP612; was STP512)**

**As for STP212 except:**

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### **Sustainable Business Development Project (STP399)**

Credit Points: 4

Not available 2011

This unit will integrate the concepts and methodologies acquired during the BBus (Sustainability) course to address real-life sustainable business development problems. Students will work in groups to develop an integrated approach to their particular case-study, combining their different strengths, talents and interests to replicate the problem solving challenges encountered in the contemporary business environment. Emphasis will be directed to the development and deployment of interdisciplinary methodologies specifically designed to meet the growing need for economic and ecological sustainability.

Lecture/workshops: 3 hours per week.

Prerequisites: Nil.

### **Sustainable Development Internship/Project (STP332)**

Credit Points: 8

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

This unit provides an invaluable opportunity to acquire skills, knowledge and contacts pertaining to sustainability. Students are encouraged to work with government agencies, industry or civil society groups on projects relevant to sustainable development, while drawing on the support of academic supervisors. While suggestions for projects are provided, the onus is on students to organise projects that match their interests and prepare them for further study or their chosen careers.

Seminars/workshops: as required.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

BSc students taking this unit for science points must ensure a science-based topic, methodology and supervisor. Students should consult the Unit Coordinator regarding their eligibility to enrol in this unit.

### **Sustainable Development Internship/Project (STP332)**

**As for STP332 except:**

Credit Points: 4

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

Prerequisites: Co-requisite: Internet access if studying externally.

### **Sustainable Development Internship/Project (STP632; was STP532)**

**As for STP332 except:**

Credit Points: 8

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

Prerequisites: Enrolment at Graduate/Masters-level or permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

### **Sustainable Development Internship/Project (STP632; was STP532)**

**As for STP332 except:**

Credit Points: 4

Murdoch: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external, W-internal, W-external, Y-internal, Y-external

Prerequisites: Enrolment at Graduate/Masters-level or permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

### **Sustainable Management of Fish and Wildlife (BIO205)**

Credit Points: 4

Murdoch: S2-internal

This unit introduces students to the world of managing fish and wildlife populations amidst the pressures of environmental change, increasing populations and the push for economic development. Students will develop an understanding of the importance of biological and ecosystem knowledge, and economic considerations in developing effective conservation strategies and sustainable harvest policies for a range of different species.

Lectures: 2 hours per week; workshops: 15 hours per semester.

Prerequisites: BIO103 Environmental Biology and the completion of, or concurrent enrolment in, ENV268 Ecology.

### **Sustainable Management of Fish and Wildlife (BIO505)**

**As for BIO205 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in a honours or postgraduate level course.

Students enrolled in BIO505 are required to read the background literature more extensively, demonstrate a greater depth of understanding and display a greater ability to integrate the subject matter than students enrolled in BIO205. They are also required to develop a PowerPoint presentation of their major essay.

**Sustainable Tourism (TOU201)**

Credit Points: 4

Murdoch: S1-internal, S1-external  
KAPLAN-SGP: T2A-internal  
SGP1: T2B-internal

Sustainable tourism, which developed from the 1980s concept of sustainable development, incorporates principles which integrate economic imperatives with the maintenance of ecological processes, biological diversity and biophysical resources; equity within and between generations; and the need for compatibility with society, community and cultural values. This unit analyses the management of tourism and hospitality development and its relationship to the conservation of natural, social and cultural resources. Participation in field trips on a cost recovery basis is required.

Lectures/tutorials: up to 3 hours per week; occasional field trips.

Prerequisites: TOU102 Introduction to Travel and Tourism or TOU101 Introduction to Tourism Systems or enrolment in Postgraduate studies in Tourism. Recommended: STP108 Introduction to Sustainable Development.

Co-requisite: Internet access if studying externally.

Postgraduates without a tourism background should acquaint themselves with readings of the TOU000 Course Reader.

**Sustainable Tourism (TOU501)**

As for TOU201 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Enrolment in an Honours or Postgraduate course.  
Co-requisite: Internet access if studying externally.

**Sustainable Urban Design (STP245)**

Credit Points: 4

Not available 2011

Taught intensively during the Easter non-teaching break in Semester 1 by Murdoch staff, urban designers and guest lecturers from local government, other state agencies and the private sector. Aim: to develop a working understanding of the core concepts involved in urban design and how these are applied to develop more sustainable urban places. The learning experience is enriched by the participation of people from government, industry and community organisations who undertake the unit on a non-accredited basis.

Four-day intensive on-campus component after Easter Monday. Tutorials for internal students: 4 x 1 hour sessions per semester.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Nil.

Exclusions: Students who have successfully completed R240/STP240/R440 Special Topics in Sustainable Development: Sustainable Urban Design may not enrol in this unit for credit.

External students should note that this unit has a four-day on-campus component. To find out about the laboratory and tutorial attendance dates, students should refer to the Unit Information handout provided during the first week of the teaching period.

Contact the Academic Chair for an alternative enrolment option.

**Sustainable Urban Design (STP645; was STP545)**

As for STP245 except:

Credit Points: 4

Not available 2011

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

**Sustainable Water Systems (ENV318)**

Credit Points: 4

Murdoch: S2-internal, S2-external

The principles, design and operation of water supply, rainwater, stormwater, groundwater, wastewater management systems using a total water cycle problem-solving approach and computer-aided techniques. Nutrient cycles, committees and management become part of the integrated approach.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: ENV210 Environmental Technology for Sustainable Development.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Sustainable Water Systems (ENV618)**

As for ENV318 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in a honours or postgraduate level course.  
Co-requisite: Internet access if studying externally.

**Systematic Theology Seminar (THE490)**

Credit Points: 4

Not available 2011

The unit is intended to develop students' skills in research and reflection and to involve them in the study of one or more major theologians or one major problem at some considerable depth. The seminar will require a high level of student participation and regular, thorough preparation. This unit may be taken more than once with different content.

Seminars/tutorials: 3 hours per week.

Prerequisites: S258/THE258 Christ in Context or S258/THE258/R488 Christian Understandings of God.

**Systematic Theology Seminar (THE590)**

As for THE490 except:

Credit Points: 4

Murdoch: S1-internal

Prerequisites: Enrolment in Master of Ministry.

**Systems Analysis and Design (ICT231)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-external  
KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

This unit introduces methods and techniques for analysing problematic organisational situations, particularly those leading to the development of an information system, and draws on both technical and organisational material to provide the knowledge and skills necessary to design and implement an operational system.

Lectures: 3 hours per week; tutorials: 2 hour per week.

Prerequisites: ICT102 Introduction to Computer Science OR ICT105 Introduction to Information Technology OR ICT108 Introduction to the



Internet and Multimedia OR ICT107 Principles of Information Systems and Data Management.

Co-requisite: Internet access if studying externally.

### Taxation (BUS313)

Credit Points: 4

Murdoch: S1-internal

KDUPJ: S1K-internal

SGP1: T1B-internal, T3B-internal

An introductory unit in income tax. It covers key principles in income tax law as they apply to all taxpaying entities. Emphasis will be placed on the distinction between capital and income and the development of concepts of income and deductions in determining a tax quantum. Students are encouraged to develop skills in statutory interpretation and case law analysis that will provide them with a base for lifelong learning in a dynamic tax environment.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS160 Introduction to Accounting or BUS217 Technology and Accounting Processes.

Exclusions: Students in Law/Commerce who enrol in this unit may not enrol in L353/LAW353 Income Taxation Principles for credit.

### Taxation (MBS514)

Credit Points: 4

Murdoch: S2-internal

The unit considers the principles of Australian income tax law as they apply to all taxpaying entities. The emphasis is on learning general tax rules and how those rules apply to broad categories of business and financial transactions, rather than on the myriad of specific provisions and exemptions. Teaching of this primary tax unit at postgraduate level is based on the supposition that students will approach tax law as an integrated component of a complex economic and business environment.

Lectures/seminars/workshops: 3 hours per week.

Prerequisites: Enrolment in a postgraduate-level course; MBS502 Law for Business.

### Teaching Arts and HPE in Primary Schools (EDN227; was EDU217)

Credit Points: 2

Murdoch: SP21-internal, SP21-external

This unit prepares students enrolled in the Graduate Diploma in Education (Primary) for teaching in the learning areas of the Arts, and Health and Physical Education. Attention will be given to the role of the Arts, and Health and Physical Education in the primary curriculum, together with their place in society. Theory and practice in each of the discipline areas will be explored as a way of inducting students into these educational fields.

Workshops: internal and external students are required to attend an intensive on-campus teaching week. Final details will be available on the unit information page, the School of Education web site and LMS. All students need to access Lectopia and LMS during this unit to submit works electronically and to create digital/ITC based assignments.

Prerequisites: Enrolment in a teacher education course [Graduate Diploma in Education (Primary)]; successful completion of EDN112/EDN121 Understanding Teachers' Work or EDU101/EDU101 Introduction to Teaching.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU207 Primary Curriculum IIA (Arts, Technology, Health, PE) or E160 Multi-Arts and the Primary Curriculum may not enrol in this unit for credit.

All students are required to complete practical Arts and Physical

Education activities.

### Teaching English and Literacy in Primary Schools (EDN223)

Credit Points: 4

Murdoch: S1-internal, S1-external

Rockingham: S1-internal

This unit aims to prepare students for teaching English in primary classrooms. Focusing on teaching and learning literacy from a balanced perspective, language modes such as reading, speaking, listening, viewing and writing are introduced. The unit also discusses theories of language acquisition and language learning, which underpin work in reading, language arts and language across the curriculum. This unit has a school-based component.

Lectures: 1 hour per week; workshops: 3 hours per week.

Prerequisites: Enrolment in BEd (Primary), BEd (Early Childhood and Primary), BEd (Primary, Years 1 to 10 Health and Physical Education), BEd/BA (Australian Indigenous Studies), or BEd (Primary) (Graduate).

Successful completion of EDN111 Language for Learning and Teaching; EDN112 Understanding Teachers' Work

OR successful completion of EDU101 Introduction to Teaching and EDU103 Principles of Language and Literacy

OR enrolment in BEd (Primary) (Graduate) and successful completion of EDU1011 Introduction to Teaching/EDN121 Understanding Teachers' Work.

Co-enrolment in or previous completion of EDN221 Learning, Teaching and Assessment 1.

Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU282/EDU2821 Primary Curriculum I (English) may not enrol in this unit for credit.

This unit has a school-based component.

### Teaching English and Literacy in Primary Schools (EDN2231)

As for EDN223 except:

Credit Points: 3

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Teaching Health and Physical Education in Primary Schools (EDN226)

Credit Points: 4

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

This unit focuses on the Health and Physical Education (HPE) curriculum in primary schools. Emphasis will be on creating embodied learning experiences including the establishment of connections between the cognitive, kinaesthetic and affective dimensions of learning. The unit will explore: the rationale for inclusion of HPE in schools; health issues and the promotion of health and well-being; integration of HPE in the primary curriculum; the skills needed for confident participation in sport and recreational activities.

On campus students: Lectures/workshops: 4 hours per week.

Students are required to attend an on-campus intensive teaching week, Monday 10 October - Friday 14 October 2011 (dates subject to confirmation; information on dates posted on School of Education website).

External students are also required to complete during the semester a self-devised study program equivalent to other workshops undertaken by internal students. Details will be advised in the Unit Information and

Learning Guide and on the unit information page, the School of Education's website and LMS.

All students will need to access LMS during this unit to access resources and the latest information regarding this unit. Students are expected to take their workshops at the campus of their unit enrolment.

*Prerequisites:* Successful completion of EDN111 Language for Learning and Teaching and EDN112 Understanding Teachers' Work or enrolment in a graduate-entry Bachelor of Education (Primary).

*Co-requisite (for all students):* Internet access and digital completion of assignments as stipulated in the Unit Information and Learning Guide. *Co-requisite:* Internet access if studying externally.

*Exclusions:* Students who have successfully completed EDU207 Primary Curriculum IIA (Arts, Health, Physical Education, and Technology and Enterprise) EDU217 Primary Curriculum IIB (Arts, Health and Physical Education) may not enrol in this unit for credit.

### Teaching Health and Physical Education in Primary Schools (EDN226-1)

*As for EDN226 except:*

*Credit Points:* 3

*Murdoch:* S2-internal, S2-external

*Rockingham:* S2-internal

*Prerequisites:* Co-requisite: Internet access if studying externally.

### Teaching Mathematics in Primary Schools (EDN333)

*Credit Points:* 4

*Not available 2011*

This unit aims to assist students in acquiring knowledge and skills which will facilitate primary school children's active learning of mathematics. In particular, students will be expected to demonstrate sufficient knowledge of mathematics and of how children learn mathematics to understand and implement a program directed towards the development of children's mathematical skills and the ability to work mathematically. Attention is given to the demands and opportunities for numeracy across the curriculum.

*Prerequisites:* Enrolment in a Teacher Education course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary), BEd (Primary)/BA (AIS)], or BEd (Primary, 1-10 Health and Physical Education), and successful completion of EDU101 /EDU1011 Introduction to Teaching or EDN112/EDN1121 Understanding Teachers Work.

### Teaching Mathematics in Primary Schools (EDN333-1)

*As for EDN333 except:*

*Credit Points:* 3

*Not available 2011*

### Teaching Religion in Schools (THE246)

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

This unit has been designed to meet the needs of people who expect to be teaching religious studies in schools. In the first instance, it has been tailored to the requirements of persons who, whilst qualified in other respects under the legislation referring to Special Religious Instruction, are not teacher-trained. In the 4-point mode, methods of classroom control, teaching and assessment are linked with monitored teaching experiences in school placements arranged during the unit.

*Lectures:* 2 hours per week plus 20 hours field placement.

*Prerequisites:* Nil.

*Co-requisite:* Internet access if studying externally.

### Teaching Religion in Schools (THE246-1)

*As for THE246 except:*

*Credit Points:* 2

*Murdoch:* S2-internal, S2-external

*Lectures:* 2 hours per week.

*Prerequisites:* Co-requisite: Internet access if studying externally.

### Teaching Science in Primary Schools (EDN442)

*Credit Points:* 4

*Not available 2011*

This unit aims to prepare students for facilitating effective learning in 'Science', with particular application to the primary classroom. The unit promotes the use of 'inquiry' or an investigative approach to learning.

*Prerequisites:* Enrolment in a Teacher Education Course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary, BEd (Primary)/BA (AIS)] or BEd (Primary, 1-10 Health and Physical Education), and successful completion of EDU101 /EDU1011 Introduction to Teaching or EDN112/EDN1121 Understanding Teachers Work.

### Teaching Science in Primary Schools (EDN442-1)

*As for EDN442 except:*

*Credit Points:* 3

*Not available 2011*

*Prerequisites:* Enrolment in Graduate Diploma in Education (Primary); successful completion of EDU1011 Introduction to Teaching or EDN1121 Understanding Teachers Work.

### Teaching Society and the Environment in Primary Schools (EDN441)

*Credit Points:* 4

*Not available 2011*

This unit aims to prepare students for facilitating effective learning in 'Society and the Environment', with particular application to the primary classroom. The unit promotes the use of 'inquiry' or an investigative approach to learning.

*Prerequisites:* Enrolment in a Teacher Education Course [BEd (Primary), BEd (Primary) (Graduate), BEd (Early Childhood and Primary, BEd (Primary)/BA (AIS)] or BEd (Primary, 1-10 Health and Physical Education), and successful completion of EDU101 /EDU1011 Introduction to Teaching or EDN112/EDN1121 Understanding Teachers Work.

### Teaching The Arts in Primary Schools (EDN225)

*Credit Points:* 4

*Murdoch:* S2-internal, S2-external

*Rockingham:* S2-internal

This unit explores teaching and learning the Arts in primary schools. Teaching and learning; Dance, Drama, Media, Music and Visual Arts. Integrating the Arts in the curriculum. How the arts shape and express experience and learning the arts as ways of knowing and making meaning; how the arts help us know what it means to be human, developing arts literacy and capacity to engage with, reflect on and make informed judgements about the arts.

*On campus students:* Lectures/workshops: 4 hours per week. Students are required to attend and participate in lectures/workshops.

*External students are required to attend an on-campus intensive teaching*

week, Monday 10 October 2011 - Friday 14 October 2011 (Dates subject to confirmation; information on dates posted on School of Education website). External students are also required to complete during the semester a self-devised study program equivalent to the workshops undertaken by internal students. External students are to access lectures on LMS. Details will be advised in the Unit Information and Learning Guide and on the unit information page, the School of Education's website and LMS.

All students will need to access LMS during this unit, to submit work electronically and create digital portfolios/assignments.

Students are expected to take their workshops at the campus of their unit enrolment.

**Prerequisites:** Successful completion of EDN111 Language for Learning and Teaching or EDN112 Understanding Teachers' Work or enrolment in a graduate-entry Bachelor of Education (Primary).

**Co-requisite (for all students):** Internet access and digital completion of assignments as stipulated in the Unit Information and Learning Guide.

**Co-requisite:** Internet access if studying externally.

**Exclusions:** Students who have successfully completed EDU207 Primary Curriculum IIA (Arts, Health, Physical Education, and Technology and Enterprise), EDU217 Primary Curriculum IIB (Arts, Health and Physical Education) may not enrol in this unit for credit.

### Teaching The Arts in Primary Schools (EDN2251)

**As for EDN225 except:**

**Credit Points:** 3

**Murdoch:** S2-internal, S2-external

**Rockingham:** S2-internal

**Prerequisites:** Co-requisite: Internet access if studying externally.

### Technology and Accounting Processes (BUS217)

**Credit Points:** 4

**Murdoch:** S1-internal, S1-external, S2-internal, S2-external

**Rockingham:** S2-internal

**KDUPJ:** S1K-internal, S2K-internal

**SGP1:** T1B-internal, T2B-internal, T3B-internal

Introduction to the accounting package QuickBooks or a similar package. Topics will be linked back to the package and by the end of the course students will be able to record accounting transactions and produce relevant financial statements. In addition, the unit will teach fundamental accounting concepts and principles which will enable students to be able to record, process and analyse accounting information. Topics: the double entry recording system, financial statements, valuations and measurement of assets, liabilities and equity.

**Lectures:** 1 hour per week; **workshops:** 2 hours per week.

**Prerequisites:** BUS160 Introduction to Accounting.

**Co-requisite:** Internet access if studying externally.

**Exclusions:** Students who have successfully completed C168 Principles of Accounting and/or C255 Financial Accounting 1 may not enrol in this unit for credit.

### Technology and the Law (BUS216)

**Credit Points:** 4

**Murdoch:** S2-internal

This unit involves a consideration of the nature of technology and forms of legal protection, international treaties protecting intellectual property, technology transfer for different forms of intellectual property, patents and the underlying jurisprudence and economics, law and the Internet; digital signatures, standard encryption, data protection and privacy, copyright and the Internet, patents for computers, trademarks and the Internet.

**Lectures:** 2 hours per week; **tutorials:** 1 hour per week.

**Prerequisites:** BUS165 Principles of Commercial Law.

### Terrorism and Counterterrorism (POL609)

**Credit Points:** 4

**Murdoch:** S1-internal, S1-external

In the post-9/11 world, states may possess high-tech military weapons but remain vulnerable to attacks from non-state terrorist organisations and cells. The threat of terrorism also profoundly affects the fundamental values of liberal democracy as evidenced by Western States' struggle to balance imperatives of national security with citizens' rights and liberties. Counterterrorism is a complex and risky endeavour, which could produce more and not less conflict. This unit explores these issues in-depth.

**Seminar:** 3 hours per week.

**Prerequisites:** Enrolment in a Postgraduate course.

**Co-requisite:** Internet access if studying externally.

### Terrorism in a Globalised World (POL293)

**Credit Points:** 4

**Murdoch:** S2-internal, S2-external

This unit focuses on the threats of terrorism in a world that is globalised, paying special attention to the relationship between terrorism and the revolution in transport and communications that underpins globalisation. After examining how the media portrays terrorism, it analyses 'war on terror' in relation to nationalism, international order, the UN, and the values of global governance. It finally examines four case studies: Northern Ireland, South-East Asia, the Middle East and the terrorist attacks of 11 September 2001.

**Lectures:** 1 hour per week; **tutorials:** 1 hour per week.

**Prerequisites:** Nil.

**Co-requisite:** Internet access if studying externally.

### Tertiary and Adult Education Policy (EDU444)

**Credit Points:** 6

**Murdoch:** S2-internal, S2-external

This unit examines policy issues related to various forms of tertiary and adult development and education, including higher education, technical and further education, professional development, industrial training and community courses. In addition, the social contexts and functions of adult and tertiary education are examined from multiple perspectives. In the 6-point version, students also complete one module of personal professional relevance.

**Seminars:** 3 hours per week.

**Prerequisites:** Nil.

**Co-requisite:** Internet access if studying externally.

**Exclusions:** Students who have successfully completed E407 Perspectives and Issues in Adult Education may not enrol in this unit for credit.

### Tertiary and Adult Education Policy (EDU4441)

**As for EDU444 except:**

**Credit Points:** 4

**Murdoch:** S2-internal, S2-external

**Prerequisites:** Co-requisite: Internet access if studying externally.

### Tertiary and Adult Education Policy (EDU644)

**As for EDU444 except:**

**Credit Points:** 4

**Murdoch:** S2-internal, S2-external

**Prerequisites:** Enrolment in a postgraduate qualification or permission of



the Unit Coordinator.

Co-requisite: Internet access if studying externally.

### The Economics of Global Climate Change (BUS250)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides a comprehensive analysis of the global warming debate, generally acknowledged as the most serious example of a 'negative externality'. The unit begins with an overview of the fundamental economic tools and concepts of environmental economics, including property rights, public goods, and cost-benefit analysis. The economics of stabilisation, as well as the economic policy responses for mitigation and adaptation, are also presented for analysis.

Lectures: 2 hours per week, tutorials: 1 hour per week.

Prerequisites: BUS161 Introduction to Economics OR completion of all Part I Core units of the BSc Climate Change Management.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed BUS200 Special Topics in Economics: The Economics of Global Climate Change may not enrol in this unit for credit.

Students should note that the Summer teaching period for this unit commences on Tuesday 4 January 2011.

### The People's History of South-East Asia (AST276)

Credit Points: 4

Murdoch: S2-internal, S2-external

Explores important themes in South-East Asian modern history, including contemporary social patterns and historical processes, in particular Asian societies as perceived by the people themselves; the structure of social dominance; the autonomy of popular culture; the impact of global trade; migration and the diaspora communities; colonialism and self; ideology and revolution; commodities, lifestyles and identities. The unit aims to bring the boundaries of South-East Asian history as close as possible to those of people's lives and experiences.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### The People's History of South-East Asia (AST676)

As for AST276 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### The Rise of Greater China (POL212)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines the emergence of China as an economic, political and military powerhouse in the Asian and global contexts. Topics covered will include the Chinese communist revolution, China under Mao Zedong, the Deng Xiaoping reforms, and the emergence of China as a superpower in the 21st Century. China's relations with the US, the USSR/Russia, Africa, and her Asian neighbours will be discussed. The security implications of China's rise will also be analysed.

Lecture: 1 hour per week; tutorial: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Theories of Mind (PHL230)

Credit Points: 4

Murdoch: S2-internal, S2-external

Multiple personalities, schizophrenia, comatose states, simian language, cloned brains, zombies and avatars are all headline topics in the huge domain of consciousness studies. This unit will address contemporary theories and case studies about what makes a mind a special thing: do some animals have minds, can memories be downloaded, can an android have dreams or emotions, is there a solid argument for the human soul's immortality, is the Matrix world possible, does the United States of Tara make sense?

Lectures/seminars: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Theories of Mind (PHL430)

As for PHL230 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

### Thermodynamics (PEC201)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit provides a foundation for the study of systems from both theoretical and applied thermodynamic perspectives. Students study pure thermodynamics and thermodynamics of ions in solution as well as an elective module. Students are able to choose between either high temperature (metallurgical) thermodynamics or low temperature (biological thermodynamics), depending on their program of study. Examples are drawn from a wide range of applications relevant to chemistry, extractive metallurgy and biology.

Lectures/workshops: 4 hours per week; tutorials: 1 hour per week; laboratories: 4 hours per week for 10 weeks.

External: compulsory 5-day on-campus laboratory session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics; PEC152 Principles of Physics; PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles or enrolment in G1034 Graduate Diploma in Extractive Metallurgy. Co-requisite: Internet access if studying externally.

Exclusions: Students may not complete both this unit and M255 Metallurgical Thermodynamics or PEC202 Thermodynamics for Physics and Nanotechnology for credit.

All students study the 'pure thermodynamics' material in blocks A and B. In addition, Chemistry students may choose either 'biological thermodynamics' or 'metallurgical thermodynamics' (blocks D and C respectively); Extractive Metallurgy students must take 'metallurgical thermodynamics' (block C).

### Thermodynamics for Physics and Nanotechnology (PEC202)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit looks at thermal energy transfer from both macroscopic and microscopic perspectives based on the fundamental principles of thermodynamics and statistical mechanics. The basic laws of thermodynamics and statistical mechanics are used to analyse the performance and efficiency of various thermodynamic processes including solar energy conversion and global warming. Another important aspect is nanothermodynamics, the thermodynamics of phenomena and processes at the nanometric scale.

Lectures/workshops: 4 hours per week; tutorials: 1 hour per week.

Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics or MAS183 Statistical Analysis and Databases; PEC152 Principles of Physics or PEC120 General Physics; PEC140 Introduction to Chemistry or PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Sciences or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles.

Co-requisite: Internet access if studying externally.

Students enrolled in the Physics and Nanotechnology course are strongly encouraged to take this unit.

### Thinking Mathematically (EDN114; was EDU)

Credit Points: 3

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

This unit is designed for future teachers of K-10 mathematics. We explore the nature of mathematics in our everyday world and its origins in our past to understand its prime place in school curricula.

Both the content: number and algebra, geometry and measurement, probability and statistics, and the characteristic processes of problem solving, reasoning and numeracy are addressed. Students in the 200-level version complete an additional project related to teaching secondary mathematics. The unit has extensive online resources.

Lectures/workshops: 4 hours per week.

Prerequisites: Co-requisite (for all students): Internet access.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed EDU162 Cultural Mathematics may not enrol in this unit for credit.

Students who have not successfully completed mathematics to at least Stage 2 Year 12 level are strongly encouraged to complete EDN110 Mathematics for Teaching before enrolling in EDN114.

### Thinking Mathematically (EDN214)

As for EDN114 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Co-requisite: Internet access if studying externally.

### Thinking Scientifically (EDN115; was EDU113)

Credit Points: 3

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

For students intending to be primary or lower secondary school science teachers, or for those who wish to strengthen their knowledge and skills in science and scientific reasoning. Students study key unifying themes of science: working scientifically; natural and processed materials; earth and beyond; energy and change. Emphasis will be on understanding the conceptual bases of science. The unit will concentrate on the culture of science, developing skills in investigating, communicating and evaluating the relevance and importance of scientific literacy.

Lectures: 2 hours per week; tutorials/laboratories: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: This unit is not available to students enrolled in a Science major. Students who have successfully completed EDU113 Introduction to Science may not enrol in this unit for credit.

### Thinking Theology (THE107)

Credit Points: 3

Murdoch: S1-internal, S1-external

This unit introduces students to the foundations, scope and methodology of theology and its main areas of study: biblical, historical, systematic, and pastoral. It discusses how the theological disciplines relate to each other and to other disciplines. It provides a groundwork for further studies in theology. The unit examines the thinking of theology in Christian communities within history and society, by focusing on selected figures, contexts, and issues.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Thoracic/Lumbar Spine and Pelvis Care (CHI3622)

Credit Points: 2

Not available 2011

Prerequisites: Enrolment in the BHSc in Chiropractic.

### Time Series and Multivariate Analysis (MAS368)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit introduces two related topics -- methods for the analysis of measurements made sequentially over time and of data which are more generally multivariate and correlated. Time series models are developed and inferential procedures (estimation, testing, forecasting) discussed. This section also includes frequency domain methods for the extraction of signals from noisy data. Multivariate techniques include methods of summarising high-dimensional data and assessment of characteristics which best distinguish groups of cases.

Lectures/tutorials: 4 hours per week.

Prerequisites: M278/MAS278 Probability and Statistical Inference OR M284/MAS284 Applied Statistics and Process Management OR M230/MAS230 Biostatistical Methods. In addition students must have a calculus background equivalent to at least either M161/MAS161 Calculus and Matrix Algebra OR MAS208 Mathematical Modelling.

Co-requisite: Internet access if studying externally.

Exclusions: Students may not enrol in this unit and either of MAS180 Introduction to Statistics or MAS183 Statistical Data Analysis and Databases concurrently.

### Tomorrow, Yesterday, Today (FDN109)

Credit Points: 3

Murdoch: S2-internal, S2-external

We create the future through our collective vision. Our culture is technologically advanced yet we live in a time of crisis. Using the history of ideas and science fiction to critically reflect on the world from the perspectives of Philosophy and Science, this unit will help students meet today's challenges and enhance their ability to imagine possible sustainable futures. Students will gain skills to help them critically assess a wide range of topics in their university studies and later life.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Topics in Taxation (BUS315)**

Credit Points: 4

Murdoch: S2-internal

This unit provides for a more intensive study of contemporary issues, including Goods and Services Tax and Fringe Benefits Tax, in Australian taxation. It will attempt to integrate fundamental tax concepts and principles into practical situations, having regard to the underlying premise that virtually every financial or commercial transaction has taxation implications. The focus is on those aspects of the tax system of practical concern to most taxpayers in developing tax-effective business and financial strategies in a self-assessment compliance system.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS313 Taxation.

**Tortious Liability (BCL252)**

Credit Points: 4

Murdoch: S2-internal

This unit aims to acquaint students with the law concerning civil liability to compensate for harm caused by wrongful conduct (the tort). It covers the difference between civil liability and other forms of liability and what constitutes 'wrongful conduct' on the law of torts. The emphasis is on negligent conduct, including words and deeds, causing damage to the person or property or economic loss. Other forms of liability tort including liability for trespass to the person are also examined.

Lectures: 4 hours per week; workshops: up to 1 hour per fortnight.

Prerequisites: Enrolment in Common Law (BCL) and BCL250 Australian Common Law System.

**Torts (LAW152)**

Credit Points: 3

Murdoch: S2-internal

This unit aims to acquaint students with the law concerning civil liability to compensate for harm caused by wrongful conduct (the tort). It covers the difference between civil liability and other forms of liability and what constitutes 'wrongful conduct' in the law of torts. The emphasis is on negligent conduct, including words and deeds, causing damage to the person or property or economic loss. Other forms of liability in tort including liability for trespass to the person are also examined.

Lectures: 4 hours per week; workshops: up to 1 hour per fortnight.

Prerequisites: Enrolment in LLB or Juris Doctor; L150/LEG150/LAW150 Australian Legal System.

Exclusions: Students who have successfully completed L165 Torts and the Australian Legal System may not enrol in this unit for credit.

**Tourism and Hospitality Law (BUS207)**

Credit Points: 4

Murdoch: S1-internal, S1-external

KAPLAN-SGP: T1A-internal, T2A-internal, T3A-internal

SGP1: T1B-internal, T3B-internal

This unit is about law specifically relevant to the hospitality and tourism industry in Australia. Professionals operating in the industry require knowledge of relevant legislation and common law likely to have an impact. Study will focus on contracts for passenger transport and traveller accommodation, consumer protection and carrier liability laws relating to travel agents and other industry operators, visas and passports, and the law relating to supply of food and liquor, and gaming and racing.

Lectures: 2 hour per week; tutorials: 1 hours per week.

Prerequisites: BUS165 Principles of Commercial Law.

Co-requisite: Internet access if studying externally.

**Tourism Management (TOU303)**

Credit Points: 4

Murdoch: S2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

SGP1: T1B-internal, T3B-internal

This unit examines the management of the tourism system with a focus on 'destinations'. It can include, for example, trends and globalisation, business development (addressing design, planning marketing, litigation issues), destination management (including strategic planning) and sectorial management trends and issues (including tour operations, the travel sector, accommodation sector and attractions). Project management may be used to guide study of this unit in the context of group projects.

Lectures/workshops: up to 3 hours per week.

Prerequisites: S116/TOU101 Introduction to Tourism Systems or S115/TOU102 Introduction to Travel and Tourism; R208/TOU201 Sustainable Tourism and completion of at least 24 points of Part II level units. Highly recommended: C145/BUS145 Principles of Management.

**Tourism Management (TOU603)**

As for TOU303 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: TOU501 Sustainable Tourism.

**Tourism Policy and Planning (TOU301)**

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

The role and functions of governments in policy, planning, regulation and management of tourism and hospitality are often pervasive. Explore the politics of tourism, including principles of public policy formulation and planning for tourism, structures and forms of government involvement with tourism, decision-making processes by governments and their bureaucracies, and the integrated nature of government and the private sector vis-a-vis tourism. Explore different approaches to tourism policy, planning and development by governments in Australia, and elsewhere.

Lectures: 2 hours per week; simulation workshops: 2 hours per week.

Prerequisites: TOU201 Sustainable Tourism or enrolment in Postgraduate Tourism studies.

Co-requisite: Internet access if studying externally.

**Tourism Policy and Planning (TOU601)**

As for TOU301 except:

Credit Points: 4

Murdoch: S1-internal, S1-external, S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate course.

Co-requisite: Internet access if studying externally.

**Tourism Project (TOU302)**

Credit Points: 4

Murdoch: S2-internal, S2-external

Students undertake independent research on a Tourism topic of their own with the approval of the Unit Coordinator or Tutor. A format based on the Independent Study Contract form will be used. Weekly workshops and online discussion cover issues such as research design, methodological approaches, field work protocol, report writing, poster presentation and publication. They will also

provide the opportunity for peer tutoring and staff supervision. Students may undertake this unit in the context of a supervised work experience assignment.

Lectures/workshops: up to 3 hours per week.

Prerequisites: Completion of at least 36 points at Part II.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

### Tourism Project (TOU602; was TOU402)

As for TOU302 except:

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate course.

Co-requisite: Internet access if studying externally.

### Transition and Leadership in the Nursing Profession (NUR336)

Credit Points: 4

Peel: DE9-internal

This unit will examine the professional role of the Registered Nurse. It will include inherent responsibility and accountability issues, application and integration of evidence based enquiry to clinical practice, leadership concepts essential to inter-professional relationships, teaching philosophies and strategies, and professional boundaries.

Lectures: 2 hours per week; workshops: 2 hours per week.

Prerequisites: Enrolment in the Bachelor of Nursing and completion of all core 100 and 200 level units,

NUR302 Maternal and Newborn Health, NUR303

Children and Adolescent Health and NUR305 Nursing Specialities; OR enrolment in Bachelor of Nursing Conversion.

### Transition to Veterinary Studies 1 (EQU021)

Murdoch: S1-internal

This unit incorporates general study skills with supplementary teaching in the Foundation units and MAS183 Statistical Data Analysis and Databases.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

### Transition to Veterinary Studies 2 (EQU022)

Murdoch: S2-internal

This unit incorporates general study skills development with supplementary teaching in ANS106 Human and Animal Bioethics and electives.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary Science through the Waardong program.

### Transition to Veterinary Studies 3 (EQU023)

Murdoch: S1-internal

This unit incorporates general study skills development with supplementary teaching in ANS102 Introduction to the Animal Body and electives.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

### Transition to Veterinary Studies 4 (EQU024)

Murdoch: S2-internal

This unit incorporates study skills development with supplementary teaching in BIO152 Cell Biology and BMS107 Principles of Vertebrate Physiology.

Lectures/seminars/tutorials: 4 hours per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering Veterinary or Biomedical Science through the Waardong program.

### Transmission and Distribution System Design and Planning (ENG556)

Credit Points: 4

Murdoch: S1-internal, S2-internal, SUM-internal

The unit discusses techniques for the effective design and planning of both the transmission and distribution networks from the technical and economic point of view, including issues of reliability and stability.

Meetings/laboratories: by arrangement with the Unit Coordinator.

Prerequisites: Enrolment in ME.

### Treasury Management (BUS244)

Credit Points: 4

Murdoch: S1-internal, S1-external

DUBAI-ISC: N2-internal

KAPLAN-SGP: T1A-internal, T3A-internal

SGP1: T1B-internal, T2B-internal, T3B-internal

The unit provides an introduction to fundamental concepts associated with the management of risk within an institution. Broadly, it will cover the basic financial engineering tools, the yield curve and the pricing of fixed income instruments. Specific instruments including futures, Forward Rate Agreements (FRAs), options and swaps will be discussed in detail. The unit will also consider the trading environment, focusing on market structures and function.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS140 Principles of Finance and Banking.

Co-requisite: Internet access if studying externally.

### Trial Advocacy (LAW328)

Credit Points: 4

Murdoch: SP23-internal (quota of 30 places)

Provides an understanding of trial processes and teaches basic techniques of trial advocacy. These techniques include identifying the case theory, opening and closing addresses, submissions on law and fact, proofing witnesses, examination, cross examination and re-examination of witnesses, and tender and proof of evidence. The unit also revises parts of the law of evidence, outlines civil and criminal trial procedure and raises ethical issues for consideration. The unit involves group work and individual performance.

Taught intensively over one week: refer to timetable for details.

Prerequisites: L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract, L252/LAW252 Evidence.

This unit is subject to quota. Quota is due to interactive teaching methods. Preference will be given to students in Law in their final year.

A result of Ungraded Pass or Fail is awarded for this unit.

**Triune God (THE429)**

Credit Points: 4

Not available 2011

This unit explores the Christian concept of one God existing in Trinity of Persons. It begins with a discussion of the development of modern atheism. Against this background it will develop an understanding of God which overcomes legitimate criticisms of common images. This understanding needs to be consistently Trinitarian.

Lectures/seminars/tutorials: 3 hours per week.

Prerequisites: THE258 Christology or THE258/458 Christian Understandings of God or S258 Christ in Context.

Exclusions: Students who have successfully completed S429 Triune God may not enrol in this unit for credit.

**Tropical Marine Biology (BIO383)**

Credit Points: 4

Murdoch: W-internal (quota of 24 places)

Ningaloo Reef is Australia's longest fringing coral reef and one of the world's largest. This broad-ranging advanced marine biology unit provides an opportunity to study tropical marine biology and ecology in a coral reef setting. It provides an introduction to Western Australian biogeography and habitats, covering advanced topics in biology, physiology and ecology of marine plants and animals. Human impacts and conservation of tropical marine environments are addressed. The field camp provides training and experience in field techniques.

Lectures: 15 lectures; laboratories: 8 hours in four classes; tutorials: three 1.5-hour classes; field camp: 12 days. Lectures, laboratory and tutorial classes will be held at Murdoch campus over a five-day period. A 12-day field camp will be run at the Coral Bay Research Station on the Ningaloo Reef, immediately after the on-campus component.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: BIO261 Animal Diversity OR BIO265 Plant Diversity OR BIO287 Plant Diversity (Marine Science) OR ENV268 Ecology OR permission of the Unit Coordinator.

This unit will have additional costs for the field trip component. Additional costs include but are not limited to travel, accommodation, meals, facilities hire, etc.

This unit is subject to quota. A minimum of 12 enrolments is required for the unit to be financially viable. A maximum of 40 students can be accepted due to transport limitations. In addition to quota, a minimum of 12 enrolments are required for this unit to proceed.

**Turning Points in History (HIS182)**

Credit Points: 3

Murdoch: S2-internal, S2-external

Rockingham: S2-internal

History is the study of significant events in time, from the life of the individual to the process of social change. This unit examines a number of crucial events which are vital turning points in history, and of great importance for our understanding of contemporary societies: biological and medical transformations; cultural revolutions; political and economic revolutions; and modern war. Students are introduced to the varied nature of the subjects, approaches and methods of history.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Understanding Poetry (EGL328)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit introduces students to the study of poetry, covering several centuries of verse in English, with emphasis on understanding, appreciating and enjoying the poem as a literary construct. The unit deals with the nature of poetic genres, theories of classification, processes of reading, methods of analysis and key issues in the interpretation of poetry. No previous experience in studying poetry is necessary.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed H239 Studies in Poetry or H239 Poetry may not enrol in this unit for credit.

**Understanding Teachers' Work (EDN112)**

Credit Points: 3

Murdoch: S2-internal

Rockingham: S2-internal

This unit introduces students to the profession of teaching. It commences by looking at the self as a learner/teacher and examines the impact this may have on the role of an educator. The unit enables students to appreciate the diverse roles and responsibilities of the teacher, to understand students as individuals and groups, and to develop a critical awareness of the function of schooling in Australia. The unit integrates school experience in both a primary and secondary school setting.

On-campus students: Lectures/workshops: 3 hours per week.

Students are required to attend and participate in lectures/workshops. Students will need access to the Learning Management System (LMS) to submit work electronically and create digital portfolios/assignments. Students are expected to take their workshops at the campus of their unit enrolment.

Prerequisites: Enrolment in an initial teacher education course or permission from the Unit Coordinator.

Criminal History Record Clearance and Working with Children Clearance: It is compulsory for all students (Internal, Interstate, Country or Overseas) to have a WA Department of Education Criminal History Record Clearance AND a Working With Children Clearance from the Department of Community Development (DCD) if they are working in a Western Australian School. For students completing their school experiences in places outside of WA, they will need to check the local regulations.

Criminal History Record Clearance application forms are available in the Murdoch University School Experience (MUSE) Office or the MUSE website. Do not apply to police stations.

Working With Children application forms are available at Western Australian Post Offices. Students need proof of identity when submitting these forms. Copies of these clearances are a requirement for placement in any school in WA. Students need to apply for their Criminal History Record Clearance at least six weeks prior to being placed in a school, as they can take time to be processed. An officer from the MUSE Office must sign the Working With Children forms, which students must take to a Post Office to be registered.

Exclusions: Students who have successfully completed EDU101 Introduction to Teaching or EDU1011 may not enrol in this unit for credit.

**Understanding Teachers' Work (EDN1121)**

**As for EDN112 except:**

Credit Points: 3

Murdoch: SB7-internal

This is a four-week intensive program with two weeks on campus work followed by two weeks of school experience. Lectures/ workshops/ tutorials: 9 days on campus; school experience: two 5-day blocks.

Prerequisites: Enrolment in the Graduate Diploma in Education (Primary) or Graduate Diploma in Education (Secondary) or BEd Primary Graduate or BEd Secondary Graduate or discretion of the Academic Chair.

**University Studies (KAC073)**

Credit Points: 3

Murdoch: S1-internal, S2-internal

This unit is designed to encourage students to develop their learning and language skills through independent learning. Issues covered include: time management; effective study methods; project planning, research, writing and evaluation; laboratory preparation; exam preparation; question preparation and assistance with any other issues chosen by the class.

Lectures: 1 hour per week; workshops: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: This unit is restricted to Aboriginal and Torres Strait Islander students entering the Kulbardi Aboriginal Tertiary Entrance Course (KATEC).

A result of Ungraded Pass or Fail is awarded for this unit.

**US Policies and Global Security (POL211)**

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit aims to develop a critical and in-depth understanding of American foreign policy and its impact on global security. Examine a range of American foreign policy actions and involvements from the Cold War to the post-Cold War era, including policies on arms control, environment, human security, democracy building and counterterrorism, alliance strategies in the Asia-Pacific, North Atlantic and the Middle East, and relationships with international organisations such as the UN, World Bank and the IMF.

Lecture: 1 hour per week; tutorial: 1 hour per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

**Veterinary Anatomy I (VET240)**

Credit Points: 4

Murdoch: S1-internal

This unit explores the anatomy of domestic mammals, emphasising the musculoskeletal, nervous, peripheral vascular, and integumentary systems of companion animals. Differences in form and function due to influences of lifestyle and locomotor pattern are explored using a comparative species approach. Practical sessions involve dissections and studies of specimens held in the veterinary anatomy museum collection. Imaging techniques, auscultation and palpation of relevant body regions of the dog and horse highlight morphologically-based clinical aspects of the practical sessions.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: Enrolment in Veterinary Biology. Recommended: ANS102 Introduction to the Animal Body.

Biomedical students seeking a similar course with human emphasis should enrol in BMS202 Forensic Anatomy and Anthropology.

**Veterinary Anatomy II (VET212)**

Credit Points: 4

Murdoch: S2-internal

This unit will explore the anatomy of domestic mammals, emphasising the nervous, cardiorespiratory, urogenital and digestive systems of companion animals. Basic embryology will introduce each system and investigate the gross anatomical form and actions of each body system's components. Practical sessions involve dissections and studies of specimens held in the veterinary anatomy museum collection. Imaging techniques, auscultation and palpation of relevant body regions of the dog and horse will highlight morphologically-based clinical aspects of the practical sessions.

Lectures: 4 hours per week; practicals: 4 hours per week.

Prerequisites: Enrolment in Veterinary Biology; VET240 Veterinary Anatomy I.

**Veterinary Biochemistry (VET241)**

Credit Points: 4

Murdoch: S1-internal

Knowledge of molecular biochemistry and intermediary metabolism is central to the understanding of health, disease and the treatment of disease in animals. The unit emphasises the conceptual understanding of DNA, gene expression and metabolism in the whole animal. Regulation of intermediary and tissue metabolism forms the central component of the unit. Digestion and absorption of nutrients and metabolites by herbivores, omnivores and carnivores and their utilisation in the body, such as in muscle, will be used to integrate the unit.

Lectures: 4 hours per week; practicals/tutorials/problem-based learning: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology; BIO152 Cell Biology.

Exclusions: Students who have completed BMS261 Human and Comparative Biochemistry cannot undertake this unit for credit.

**Veterinary Diagnostic Imaging (VET462)**

Credit Points: 3

Murdoch: S2-internal

This unit comprises Imaging Techniques and Imaging Interpretation Principles. The imaging techniques component aims to develop skills and knowledge in radiographic technique and radiation safety and satisfies the licensing requirements to operate x-ray equipment. Ultrasound principles and radiation safety in nuclear medicine is introduced. The unit will introduce a basic approach to film reading, skills in the recognition of patterns of disease, develops radiographic terminology and the skills to describe and interpret the imaging findings using clinical case material.

Lectures: 36 hours; laboratories: 36 hours.

Prerequisites: Enrolment in Applied Veterinary Medicine.

**Veterinary Diagnostic Pathology (VET343)**

Credit Points: 4

Murdoch: S1-internal

This unit will develop skills and knowledge gained in previous units (physiology, pathology, anatomy) to diagnose disease processes in major organ systems: haemopoietic, cardiovascular, respiratory, lymphoid, alimentary, nervous, urinary, musculoskeletal, endocrine and integument. The unit introduces diagnostic methods in clinical and anatomic pathology to investigate and diagnose disease linked to clinical signs, along with pathological terminology, skills in interpreting clinical pathology data, biochemistry, haematology, urinalysis, and the ability to predict, describe and interpret effects

of disease on major organ systems.

Lectures: 5 hours per week; practicals: 3 hours per week

Prerequisites: Enrolment in Veterinary Biology; VET340 Processes in Animal Disease.

### **Veterinary Immunology and Molecular Genetics (VET347)**

Credit Points: 4

Murdoch: S2-internal

Basic knowledge and practical skills in veterinary immunology together with molecular genetics. Sections comprise features of the immune response in both health and disease, including an understanding of immunopathogenic mechanisms of disease. Emphasis also given to the structure and functioning of genes and how this molecular knowledge is increasingly being applied to diagnosis and treatment. Includes a practical laboratory component and written essays on a chosen topic of veterinary science presenting immunological and molecular approaches to control of animal disease.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: Nil.

### **Veterinary Microbiology (VET341)**

Credit Points: 4

Murdoch: S2-internal

This unit will provide basic knowledge and practical skills in microbiology relating to infectious diseases of animals. A generalist and integrated approach to pathogenic microbiology is adopted, but includes separate sections on bacteria and viruses. Sections comprise an introduction to features of pathogenic micro-organisms including structure, metabolism, genetic composition, culture and identification. Emphasis is given to the mechanisms causing disease and to principles of diagnosis and control.

Lectures: 5 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology.

### **Veterinary Nutrition and Animal Toxicology (VET346)**

Credit Points: 4

Murdoch: S1-internal

This unit will provide students with an opportunity to learn about the fundamentals of nutrients, feeds, ration formulation and practical feeding strategies for livestock and companion animals, the nutritional biochemistry of vitamins and minerals, interactions between nutrients and feed components, nutrition-responsive diseases and an introduction to toxicology of animals. Several components of this unit will be presented as workshops.

Lectures: 4 hours per week; workshops/seminars: 2 hours per week.

Prerequisites: Enrolment in Veterinary Biology; VET241 Veterinary Biochemistry.

Exclusions: ANS354 Animal Nutrition and Toxicology

### **Veterinary Parasitology (VET344)**

Credit Points: 4

Murdoch: S2-internal

A unit in applied parasitology that introduces the concept of parasitism and the diversity of parasitic organisms. The life cycles and transmission patterns of the major parasites of domestic animals in Australia are described. The interaction between hosts and parasites, leading to the disease, is covered in detail, as is the treatment of parasitic disease and the development of integrated

approaches to parasite control. Special attention is given to the diagnoses of parasitic disease in livestock and companion animals.

Lectures: 4 hours per week; practicals: 3 hours per week.

Prerequisites: Enrolment in Veterinary Biology. Recommended: ANS102 Introduction to the Animal Body.

### **Veterinary Pharmacology (VET345)**

Credit Points: 4

Murdoch: S1-internal

This unit introduces principles of pharmacokinetics and pharmacodynamics followed by the systematic study of veterinary drugs including chemotherapy of neoplasia, bacteria, fungi, protozoa, viruses and parasites. Principles of rational veterinary therapeutics are emphasised. The unit will be presented using lectures, practical sessions and seminars. Practical focus on applying pharmacologic principles to veterinary clinical case examples.

Lectures: 5 hours per week; practicals/seminars: 3 hours per week.

Prerequisites: VET243 Veterinary Physiology II; VET341 Veterinary Microbiology.

### **Veterinary Physiology I (VET244)**

Credit Points: 4

Murdoch: S1-internal

This unit covers the functioning of the individual organs and tissues of the adult mammal, including nervous, muscular, cardiovascular, respiratory, renal and alimentary systems. The mechanism of actions will be considered in terms of the cellular structure and physical processes necessary to maintain the healthy body, including a detailed study of the histology of each tissue. Control mechanisms will be outlined. Special emphasis will be placed on domestic species.

Lectures: 4 hours per week; practicals: 4 hours per week or equivalent.

Prerequisites: Enrolment in Veterinary Biology. Recommended: BMS107 Principles of Vertebrate Physiology.

### **Veterinary Physiology II (VET243)**

Credit Points: 4

Murdoch: S2-internal

This unit investigates the dynamic integration of structures and functions that promote health and survival in animals of veterinary importance. Focus will be on nervous and endocrine control and on reproduction, embryo development and growth. Practical work will involve the study of live animals, and material from the Veterinary Museum. Case study projects involving real clinical examples will be undertaken as a learning tool.

Lectures/practicals/tutorials: 8 hours per week.

Prerequisites: Enrolment in Veterinary Biology; VET240 Veterinary Anatomy I and VET244 Veterinary Physiology I.

### **Veterinary Professional Life I (VET209)**

Credit Points: 1

Murdoch: S1-internal

Students will spend time in a veterinary workplace during study break weeks to develop an awareness of the skills needed for career success. A compulsory half-day session involving group activities, discussions and career profiles, provides a basis for developing these skills and an opportunity to meet your colleagues. A series of talks by a guest speaker will be provided to assist in developing your veterinary career.

Approximately one week taken during study break weeks and a

compulsory half-day session.

Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.

Prerequisites: Enrolment in Veterinary Biology.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Veterinary Professional Life II (VET348)**

Credit Points: 1

Murdoch: S1-internal

This unit aims to support personal and professional development with a focus on communication skills. Students will attend a compulsory workshop to discuss the finding of the Veterinary Professional Life I tasks and to develop team skills. Talks by visiting speakers will raise awareness of conflict management styles and aspects of veterinary professional life. Information will be provided on Farm visits required for Veterinary Professional Life III.

Students will spend one week in selected veterinary practices during their vacation time.

Prerequisites: Enrolment in Veterinary Biology Year 2; VET209 Veterinary Professional Life I.

A result of Ungraded Pass or Fail is awarded for this unit.

### **Veterinary Professional Life III (VET429)**

Credit Points: 1

Murdoch: S1-internal

In this unit students will develop an understanding of the issues faced by farmers/graziers by spending six weeks on selected farms during the vacation times of second and third years. Students will also develop clinical examination skills and further their animal handling skills by attending practicals held during first semester at Murdoch University. This unit will help students develop the skills to interact with the farming community and to competently handle and examine their animals.

Six weeks on-farm contact time during vacation and second and third year.

Prerequisites: Enrolment in Veterinary Biology; VET348 Veterinary Professional Life II.

### **Veterinary Professional Life IV (VET558)**

Credit Points: 1

Murdoch: S1-internal

This unit continues the professional development themes of previous VPL units, with a focus on development of key professional/life skills within an applied clinical context. In this unit students will begin completion and reflection on a specified number of weeks of both extramural and 'live-in' clinical experience ('seeing practice'), to be completed in non-teaching periods. A points-based professional development scheme and a workshop series themed around practice-oriented professional and life skills will support student learning.

Prerequisites: Enrolment in Applied Veterinary Medicine; VET429 Veterinary Professional Life III.

### **Video Game Studies (MCC232; was MUL232)**

Credit Points: 4

Murdoch: S2-internal

The interactive digital game has become a worldwide phenomenon, and is now recognised as an important economic, aesthetic and cultural form. In this unit students examine a range of game types, from the closed microworlds of console games to the

modifiable and networked PC game. The unit explores existing game genres and interface design, new conceptual and technical innovations in game development, the emerging field of ludology or game studies, and issues relating to interactivity and gameplay in simulated environments.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MCC232 Games and Future Technologies may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### **Video Game Studies (MCC532; was MCC432)**

**As for MCC232 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MCC432 Games and Future Technologies may not enrol in this unit for credit.

### **Virtual Environments for Games and Simulations (ICT312)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit covers the modelling of physical situations.

Three-dimensional virtual environments are explored in detail along with the actions and interactions of characters and objects within a virtual world. Simulation concepts and the physics behind collision response are introduced. Computer Graphics technologies enabling visual virtual worlds are also discussed.

Lectures and tutorials: up to 5 hours per week.

Prerequisites: ICT207 Games Design and Programming. Students are encouraged to complete ICT311 Advanced Games Design and Programming prior to taking this unit.

Co-requisite: Internet access if studying externally.

### **Visual Communication (MCC118; was MUL118)**

Credit Points: 3

Murdoch: S2-internal

Building upon the skills and understanding developed in Introduction to Digital Media, this unit explores design as it relates to the processes, techniques, and creative possibilities of multimedia production. Students develop a culturally informed understanding of design fundamentals, design and new media theory as well as skills and experience in developing basic interactive multimedia.

Lectures: 1 hour per week; laboratories: 3 hours per week.

Prerequisites: Nil.

Exclusions: Students who have successfully completed MUL118 Principles of Multimedia may not enrol in this unit for credit.

### **Wanju Boodjah 'Welcome To Country' (AIS272; was KAC272)**

Credit Points: 6

Murdoch: W1-internal

Experience and understand the place and culture of the region's oldest people and traditional owners -- the Nyungar people. Walk with Nyungar elders and community members through places of significance to the Nyungar people, such as Walyuap (Fremantle),



Wadjemup (Rottnest Island), Boyagin Rock in Brookton, Wardandi (Yallingup) and Maalimia (Swan Valley). Gain Nyungar perspective on Boodjah (land), Moort (family) and Kadidjiny (knowledge), including spirituality, mythology, meteorology, cartography, language, art, history, astrology and cosmology. Compare colonial and indigenous discourse, perspectives and reflection.

*Lectures/tutorials/workshops: 40 hours minimum; field trips: minimum 6 days.*

*Prerequisites: Enrolment as an International Student in a Not For Award course.*

*Domestic students should enrol in the 4-point version of this unit.*

*This is a full-fee paying unit with additional fees required for field trips.*

### **Wanju Boodjah 'Welcome To Country' (AIS2721; was KAC2721)**

**As for AIS272 except:**

*Credit Points: 4*

*Murdoch: W1-internal*

*Prerequisites: Nil.*

*This unit will have additional fees required for field trips.*

### **Water and Earth Science (ENV281)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

The materials and processes in landscapes including rocks, regolith and soils; and the storage and movement of water within them. Geomorphology and groundwater hydrology are studied with emphasis on the interactions between water, soils and plants. Principles and processes of saturated and unsaturated water flow are covered with particular reference to environmental degradation (salinity, groundwater pollution etc.). Laboratory experiments and field experiments give students hands-on exposure to these issues complemented by problem-based, numerical exercises.

*Lectures: 3 hours per week; practical work: equivalent to 3 hours per week. Students are required to participate in a one-day field trip as part of the practical work.*

*External students should note that this unit has a compulsory week-long on-campus component.*

*Due to the nature of offering this unit students are recommended to seek confirmation of the exact attendance dates and requirements from the Unit Coordinator closer to the commencement date of the teaching period.*

*Prerequisites: A thorough knowledge of Year 12 secondary-level chemistry is assumed.*

*Co-requisite: Internet access if studying externally.*

### **Water Conservation and Auditing (ENV206)**

*Credit Points: 4*

*Murdoch: S1-internal, S1-external*

*SGP1: T1B-internal*

An introduction to the principles of water conservation, and water auditing as an important tool in implementing water conservation and as part of a general environmental management system. A primary purpose of a water audit is to improve water use efficiency by identifying opportunities for reduction in water use and recycling. Topics include: flow measurement and instrumentation, water quality requirements for various types of water use, regulations governing environmental use of water and management strategies. Case studies are discussed.

*Lectures: 2 hours per week; workshops: 3 hours per week.*

*Prerequisites: Nil.*

*Co-requisite: Internet access if studying externally.*

### **Web Computing (ICT211)**

*Credit Points: 4*

*Murdoch: S2-internal, S2-external*

This unit provides an intermediate technical understanding and practical experience in Internet and Web technologies. Topics include: design and implementation of web sites using languages and tools such as XHTML, CSS, JavaScript, PHP, and MySQL; administration of web servers on a Unix system, an introduction to Internet security and Ajax technology.

*Lectures: 2 hours per week; tutorials: 2 hour per week.*

*Prerequisites: ICT108 Introduction to Multimedia and the Internet or ICT102 Introduction to Computer Science.*

*Co-requisite: Internet access if studying externally.*

*Exclusions: Students who have successfully completed B211 Internet Computing may not enrol in this unit for credit.*

### **Web Design (MCC263)**

*Credit Points: 4*

*Murdoch: S1-internal*

This unit provides students with a solid basis in the theory and practice of website design. It examines the application of industry best practice in web development particularly in relation to screen based design, interaction design, site management, dynamic content manipulation, and project management for the web.

*Lectures: 1 hour; laboratories: 3 hours per week.*

*Prerequisites: MCC118 Visual Communication (or MUL118 Principles of Multimedia).*

### **Web Design (MCC563)**

**As for MCC263 except:**

*Credit Points: 4*

*Murdoch: S1-internal*

*Prerequisites: Enrolment in a fourth-year undergraduate, Honours or Postgraduate course.*

### **Web Games Design and Production (MCC218)**

*Credit Points: 4*

*Murdoch: S2-internal*

This unit focuses on developing interactive authoring skills using Adobe Flash. Students are challenged to think creatively about the possibilities of interactive new media. Project work involves experimentation in new media genres, visual/conceptual analysis, 2D games design, animation, interactive narrative and generative computation.

*Lectures: 1 hour per week; laboratories: 3 hours per week.*

*Prerequisites: MCC241 Animation or MCC251 Interactive Multimedia (or MUL217 Interactive Multimedia I) or MCC263 Web Design.*

*Exclusions: Students who have successfully completed MUL257 Special Topics: Flash Multimedia Authoring may not enrol in this unit.*

### **Web News Production (MCC217)**

*Credit Points: 4*

*Murdoch: S2-internal*

*DUBAI-ISC: N1-internal*

*SGP1: T2B-internal*

This unit will prepare students for work in a fully converged news room. Students will collect, edit and script news stories in all three on-line formats; print, audio and video.

*Lectures: 1 hour a week; tutorials 1.5 hours a week.*



Prerequisites: MCC104 Introduction to Journalism AND MCC105 Introduction to Radio and Sound. Highly recommended: MCC245 Media Law and Ethics.

### Web News Production (MCC517)

As for MCC217 except:

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in Postgraduate Certificate in Journalism, Postgraduate Diploma in Journalism or Master of Arts by Personal Program.

### Wellbeing (FDN111)

Credit Points: 3

Murdoch: S1-internal, S1-external

Peel: S1-internal

What does it mean to 'be well'? How is your wellbeing linked to and dependent on others? Using an interdisciplinary approach, this unit interrogates the relationship between an individual's wellbeing and that of society. The content covers psychological, physiological, philosophical, historical, environmental, economic and health perspectives on wellbeing. Examining individual and societal attitudes towards wellbeing in a global context will inform your exploration of strategies to help you think critically about your personal wellbeing and that of the wider community.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Wildlife Biology (BIO317)

Credit Points: 4

Murdoch: S2-internal

An introduction to the theory and practice of studying vertebrate animal populations for the purpose of conservation and management. Emphasis is on terrestrial wildlife. Topics: ecology of Australian animals; wildlife and habitat; research design; detecting and studying animal populations; estimating abundance; use of population and ecological data. Case studies explore the principles of wildlife research and management. A field exercise in the non-teaching break provides hands-on experience in the capture, handling and measurement of animals and habitat survey.

Lectures: 2 hours per week; workshops/laboratories: 4 hours per week; field exercise 5-6 days in second non-teaching break.

Prerequisites: BIO368 Conservation Biology.

### Wildlife Comparative Pathology Project (VET664)

Credit Points: 4

Murdoch: S2-internal, S2-external

This elective unit aims to provide students with an understanding of fundamental issues associated with disease investigation and comparative pathology of wildlife. The unit focuses on the pathobiology of common diseases of mammals, birds, reptiles and amphibians.

Tutorials and on-line discussion for internal students, on-line discussion for external students.

Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine. Students wishing to enrol in this unit must receive approval from the Academic Chair by May 31st.

Co-requisite: Internet access if studying externally.

### Wildlife Medicine (VET631)

Credit Points: 4

Murdoch: S1-internal, S1-external

This unit provides basic skills necessary to deal with sick and injured wild fauna, including wildlife cases which could be presented for examination and treatment to veterinarians in private practice. It covers appropriate methods of physical and chemical restraint; diagnosis and treatment of common diseases and injuries; zoonoses; and nutrition and husbandry associated with management of wild fauna in captivity. Students can select elective modules from a range of topics relevant for veterinarians working with wildlife and zoo animals.

Workshops and/or online discussion as required.

Prerequisites: Enrolment in Master of Veterinary Studies in Conservation Medicine, Postgraduate Certificate in Veterinary Conservation Medicine or permission of the Academic Chair.

Co-requisite: Internet access if studying externally.

Enrolment in this unit in the internal mode is subject to approval by the Academic Chair.

### Willem C Vis International Commercial Arbitration Moot (LAW315)

Credit Points: 4

Murdoch: H-internal (quota of 5 places)

The prestigious Willem C Vis International Commercial Arbitration Moot, which runs from October to Easter the following year, trains students in principles of international commercial law and techniques of international commercial arbitration. Students study the United Nations Convention on Contracts for the International Sale of Goods, 1980 (CISG) and various arbitration rules, interpreting these texts in light of different legal systems and developing expertise in advocating a position before an international arbitral panel composed of arbitrators and business people.

Meetings as required.

Prerequisites: L120/LEG120/LAW120 Research and Writing, L150/LEG150/LAW150 Australian Legal System, L152/LAW152 Torts, L130/LAW130 Criminal Law and Procedure, L260/LAW260 Contract and by invitation of the Unit Coordinator.

This unit is subject to quota. Quota is due to limited resources. Selection is based on: Academic record and standing; Demonstrated speaking, debating and mooting ability; Demonstrated administrative experience; Demonstrated knowledge of foreign languages and legal systems.

### Wireless Networks (ICT264)

Credit Points: 4

Murdoch: S2-internal

This unit will explore wireless data communications technologies with a specific focus on WiFi networking. Students will learn how to operate and configure open source wireless equipment and the hands-on labs will be used to reinforce fundamental wireless theory. The topics covered will include, security, Quality of Service (QoS), point-to-point networking, multi-hop and mesh networking and IEEE standardisation activities. Students will also undertake a site survey to gain applied skills.

Lectures: 2 hours per week; tutorials: 2 hours per week

Prerequisites: ICT103 Introduction to Data Communications.

### Wireless Networks (ICT564)

**As for ICT264 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in a postgraduate IT course; ICT546 LAN Design and Implementation OR C541 Data Communications Systems.

**Witchcraft: Historical Images of Women (HIS286)**

Credit Points: 4

Not available 2011

This unit examines perceptions of women in Western societies from the Middle Ages through to the eighteenth century. It explores witchcraft episodes from Britain and Europe from a macroperspective, and from Salem, Massachusetts, from various microperspectives. The aim of the unit is to examine different ways of interpreting primary source material. These documents provide fascinating insights into the ways in which women and men have been perceived both by contemporaries and historians.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

**Woman's Health for Midwifery Practice 1 (MID604)**

Credit Points: 4

Murdoch: S1-internal, S1-external

Today's philosophy of women's health care requires a comprehensive approach that addresses physical, social, emotional and spiritual needs. There will be emphasis on the midwives role in developing health literacy from adolescent years, through the childbearing continuum and promoting long-term health for women following reproductive life. The knowledge the student will acquire facilitates preparation for client centred care and will include indigenous women's health, caring for culturally diverse women and those involved in risk behaviours affecting their reproductive health.

Lectures: 2 hours per week; tutorials: 2 hours per week.

Prerequisites: Enrolment in a Postgraduate Course.

Co-requisite: Internet access if studying externally.

**Women in Asian Societies (AST258)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit examines the role and status of women in Asian societies. It considers representations of the feminine in traditional culture as well as contemporary society. Special emphasis will be placed on the implications for women of current social and economic changes in the region including government policies affecting reproduction and the family, women's involvement in subsistence agriculture, industry and the development process. Autobiography and film will be used to supplement anthropological and sociological studies.

Lectures: 2 hours per week; films: 1 hour per week; tutorials: 2 x 1.5 hour tutorials per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit except where the course structure states otherwise.

**Women in Asian Societies (AST558; was AST458)****As for AST258 except:**

Credit Points: 4

Murdoch: S2-internal, S2-external

Prerequisites: Enrolment in an Honours or Postgraduate-level course.

Co-requisite: Internet access if studying externally.

**Work and Well-being (PSY512)**

Credit Points: 3

Murdoch: S2-internal

Aim: to acquaint students with issues related to well-being of workers. Topics: theories and management of work related stress, mental health (and ill health) at work, and impact of retirement, retrenchment and unemployment. The unit also covers issues of safety and accident causation, safety measures, improving safety performance, and human factors underlying work performance. Focus will be on maintaining the physical and psychological well-being of the individual employee in a climate which is compatible with the organisational objectives.

Up to 3 hours per week.

Prerequisites: Enrolment in PgCertOHRS or PgDipConsultPsych or MAppPsych or DPsych or MAppPsych/PhD, or for other Masters courses students need to obtain the permission of the Unit Coordinator.

Exclusions: Students who have successfully completed S569/S5691 Occupational Health and Welfare or MBS570 Health and Wellbeing in the Workplace may not enrol in this unit for credit.

**Work and Well-being (PSY612)****As for PSY512 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in the Master of Counselling.

Exclusions: Students who have successfully completed PSY624 Counselling in Organisations may not enrol in this unit for credit.

**Workplace Law (BUS228)**

Credit Points: 4

Murdoch: S2-internal, S2-external

DUBAI-ISC: N1-internal

KAPLAN-SGP: T1A-internal, T3A-internal

KDUPJ: S2K-internal

SGP1: T1B-internal, T3B-internal

This unit examines the legal relationship between an employer and employee. It begins with a study of the individual contract of employment focusing on the rights and duties of employers and employees, and then proceeds to take an overview of Australian workplace legislation. A particular interest is taken in the legislated standards, regulation of collective bargaining, industrial action, dismissal and occupational health and safety. This unit is part of the Human Resource Management and Management majors and minors.

Lectures: 2 hours per week; tutorials: 1 hour per week.

Prerequisites: BUS165 Principles of Commercial Law.

Co-requisite: Internet access if studying externally.

Exclusions: Students who have successfully completed L363/LAW363 Employment Relations Law may not enrol in this unit for credit.

**Workplace Practicum (CHI329)**

Credit Points: 4

Not available 2011

Develop 'hands on' training within this unit. This unit will enable students' to work alongside other health professionals, observing principles and practices of everyday work experiences. It will enable the student to see the transfer of knowledge from the classroom into the workplace, in a variety of contexts, depending on their practicum placement. It includes both on-campus learning



(lecture/workshops) and off-campus worksite placement.

First 2 weeks of semester:

Seminar/workshop: 4 hours per week.

In addition, there is a minimum of 120 hours of practicum experience built into this unit that will need to be completed prior to the end of the enrolled semester.

Prerequisites: CHI209 Biomechanics and Manual Skills.

### World Religions (THE282)

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit introduces students to the five major world religions (Hinduism, Buddhism, Judaism, Christianity, Islam). It focuses on the history development and expression of the five religions. We will explore theories about the foundation and development phases of religious movements, and the present day contexts of the major world religions in a variety of cultural settings.

Lectures: One x 2 hours per week.

Prerequisites: Nil. Highly recommended: THE107 Thinking Theology.

Co-requisite: Internet access if studying externally.

### World Religions (THE482)

As for THE282 except:

Credit Points: 4

Murdoch: S1-internal, S1-external

Prerequisites: Co-requisite: Internet access if studying externally.

### World Writing Today (EGL223)

Credit Points: 4

Murdoch: S2-internal, S2-external

Explore representative contemporary poetry, drama and fiction in World Writing Today. The unit concentrates on, but is not limited to, works by internationally recognised writers. The unit aims to introduce students to recent writing from around the world that poses challenging questions about nationalism, multiculturalism and the emerging field of 'critical white studies', and to provide a theoretical framework through which to engage with common themes and changing ideas.

Lectures: 1 hour per week; tutorials: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

### Worship and Liturgy (THE288)

Credit Points: 4

Not available 2011

This unit includes a study of the phenomenon of worship and the theology and practice of Christian worship through the history of the Church up to the present day.

Lectures/workshops/tutorials: 3 hours per week

Prerequisites: Nil. Highly recommended: THE107 Thinking Theology.

### Wound Healing and Advanced Care: the Science and Art (NUR637)

Credit Points: 4

Murdoch: S1-internal

Students develop advanced knowledge and skills of wound care necessary for the Registered Nurse in tertiary and community care settings. The unit explores traditional and scientific methods of wound management; assessment of wounds and wound healing; evidence for dressings and wound treatments; management of

acute and chronic wounds; clinical risk management strategies for wound prevention; clinical management for diabetic foot wounds and non-healing wounds; associated pain management; influences of cultural diversity; and multidisciplinary care of patients with wound problems.

Lectures: 2 hours per week; tutorials/laboratories: 2 hours per week.

Prerequisites: Enrolment in a postgraduate course.

### Writing and Translating Chinese (BUS346)

Credit Points: 4

Murdoch: S2-internal

This unit focuses on writing and translating Chinese to English and English to Chinese, with special attention being paid to the Chinese business environment and business conduct. Students will further strengthen their ability in writing characters learnt in BUS233. At the same time, students will acquire basic translation skills by contrasting Chinese and English.

Lectures: 2 hours; tutorials: 1 hour.

Prerequisites: BUS233 Conversational Chinese; students with appropriate language background are welcome to discuss enrolment with the Academic Chair.

### Writing for Professional Purposes (EGL150)

Credit Points: 3

Murdoch: S1-internal

This unit is designed for students aiming to hone their writing skills in the public domain, the university and the workplace. Focusing on the rhetorical and ethical dimensions of writing, and on strategies for communicating responsibly and effectively, the unit will also develop students' capacity to prepare and write academic assignments, letters, reports and other documents.

Lectures: 1 hour per week; tutorials: up to 1.5 hours per week.

Prerequisites: Nil.

### Writing for the Screen (MCC353; was MED312)

Credit Points: 4

Murdoch: S2-internal

In this unit students learn about the formal elements of writing for the screen and develop a script for a short film in the genre of their choice. The unit will cover current industry standards and practice, with particular focus on writing according to funding criteria. It is recommended for students who wish to proceed to MCC302 Advanced Screen and Sound Production as scripts may be developed for production in that unit.

Lectures: 1 hour per week; workshops: 2 hours per week.

Note: Lectures and workshops/tutorials commence in Week 1 of the semester.

Prerequisites: MCC128 Screen and Sound Production I (TV Studio) (or MED107 Screen and Sound Production I (TV Studio) or MED107 Screen Production I (TV Studio)) OR permission of the Unit Coordinator (subject to proven ability to write with words and images).

Exclusions: Students who have successfully completed MED312 Writing for the Screen may not enrol in this unit for credit.

Graduate, Postgraduate and Honours students should enrol in the higher-level code for this unit.

### Writing for the Screen (MCC653; was MED512)

**As for MCC353 except:**

Credit Points: 4

Murdoch: S2-internal

Prerequisites: Enrolment in an Honours, Graduate or Postgraduate course.

Exclusions: Students who have successfully completed MED512 Writing for the Screen may not enrol in this unit for credit.

**Writing for the Stage (EGL210)**

Credit Points: 4

Murdoch: S2-internal, S2-external

This unit offers an opportunity to develop scriptwriting skills in relation to live performance. Students will be able to work intensively on their own scripts in a critical and collaborative environment. Topics covered include play structure, characterisation, dialogue, the writing process, stage setting and edition.

Lectures: 1 hour per week; tutorials/workshops: 1.5 hours per week.

Prerequisites: Nil.

Co-requisite: Internet access if studying externally.

# Glossary

More detailed information on many of these topics can be found in the Study at Murdoch section of the Handbook. Also see the New Students Terminology, Glossary and 'University Speak' web page:

<http://www.murdoch.edu.au/goto/TerminologyGlossary>

## Academic Chair

A member of academic staff responsible for a course, major or minor. A student taking multiple courses/majors/minors may have to liaise with several Academic Chairs.

Formerly known as Program Chair.

## Academic Organisational Unit

The basic administrative groups of academic and general staff that are responsible for academic work and academic support. AOU's can be Schools, Foundation units, and offices such as Library Services, Kulbari Aboriginal Centre, Student Life and Learning, Student Liaison and Recruitment, Educational Development Unit and Organisational Capability Unit or their equivalents that may be in place from time to time.

## Accreditation

The recognition of the University's qualifications by an external professional body.

## Advanced Standing

Entry to a course at an advanced level due to prior learning which is recognised through the granting of credit and the awarding of exemptions.

## Assessment

The means by which students' progress or achievement in a unit is evaluated. This can include assessment methods such as diagnostic assessment, assignments, examinations, project work, seminar papers and tutorial participation.

## Award

An award is granted to a student who has completed the requirements of the course in which they were enrolled. All degrees, certificates and diplomas awarded by the University are awards.

The award applicable to each course can be seen in its course description.

## Campus

See Location.

## Commonwealth Assistance Notice (CAN)

A notice generated by the University and provided to students, that includes information about a student's enrolment and use of Commonwealth assistance.

## Commonwealth Higher Education Student Support Number (CHESSN)

A unique identifier used by a higher education provider in communications with the Australian Government relating to a student who is:

enrolled, or seeking to enrol, in a unit of study with the

provider; and a Commonwealth-supported student, or seeking Commonwealth assistance under the Higher Education Support Act 2003, for a unit of study.

The CHESSN will remain linked to the student for the remainder of their academic life.

## Core Unit

See Unit.

## Course

A combination of coherent units approved by Academic Council that leads to a particular award.

## Credit

Credit points granted in recognition of previous studies and other relevant prior learning that may be able to be used towards the satisfaction of requirements for Murdoch University courses.

See also Advanced Standing.

## Credit Points

The value attributed to a unit. Part I units are normally three credit points; Part II and postgraduate units are normally four credit points.

## Cross-Institutional Enrolment

A unit or units from another institution taken by a student for credit when an equivalent unit is not available at Murdoch University.

## Dissertation

Supervised independent study leading to an independently examined piece of work with a value of at least 12 credit points.

## Double Degree

Two individually approved degree courses of the student's choice undertaken concurrently. The requirements for each course and major must be completed. The student receives two testamurs. A joint degree taken with another degree can be combined for a student to be awarded a double degree.

## Double Major

Two separately approved majors undertaken while the student is enrolled in a single course. Where the majors lead to different awards, the testamur includes the qualification of the course completed plus any majors. The requirements of the course in which the student is enrolled and the requirements of each major must be completed.

## Elective Unit

See Unit.

## Enrolment Mode

See Unit Class.

## Enrolment Option

A combination of Location (for example, 'Murdoch' for Murdoch campus), Teaching Period (for example, 'S1' for Semester 1) and Unit Class (for example, 'X' for external), which together indicate

the availability of a unit in a given academic year. This may also be referred to as 'unit offering'.

Enrolment options for each available unit can be seen in the Units section.

### Exemption

Freedom from the requirement to take a unit because the student can show that they have satisfactorily achieved its objectives and mastered its content by means of prior learning.

See also Advanced Standing.

### External Mode of Study

Units studied off campus, independent of class contact time, through the use of online lectures and unit materials.

See also Internal Mode of Study.

### Faculty

The University's academic organisation is based on multidisciplinary Faculties. The five Faculties are:

- Arts and Education
- Creative Technologies and Media
- Health Sciences
- Law and Business
- Science, Engineering and Sustainability.

Faculties are composed of academic organisational units, commonly referred to as Schools.

### Foundation Unit

A specifically designated unit that enables students new to the University to develop a range of generic learning skills and attitudes in a context that develops an interdisciplinary conceptual understanding, as well as providing a foundation for subsequent university study and a basis for the development of Murdoch University's Graduate Attributes.

### Full-time Study

A normal full-time study load is 24 credit points in an academic year. For many enrolment purposes, a study load of 9 or more credit points in a semester satisfies full-time requirements for domestic students; international students must be enrolled in at least 12 credit points in a semester to be regarded as full-time.

### General Elective Unit

See Unit.

### Graduate Attributes

Graduate Attributes are the generic skills and attitudes that all undergraduate students are expected to develop during their studies. Murdoch University has adopted a set of nine Graduate Attributes that are further divided into sub-attributes. These Attributes reflect the vision of the University and are considered important for enhancing lifelong learning, social awareness and employability in its graduates.

### Higher Education Loan Programme (HELP)

A Federal Government loan program to help eligible students pay student contribution, tuition fees and overseas study expenses.

### Honours Degree

A Bachelor honours degree is a research training degree involving an additional year of study following a three-year Bachelor degree or may be embedded in the fourth year of a four-year Bachelor degree, and requires a research dissertation of at least 12 credit points.

### Independent Study Contract

A unit of independent study on a topic or subject that is not available as a structured unit within the University, for which credit toward a degree may be obtained.

### Intermediate Award

An approved interim postgraduate course, to officially acknowledge a student's achievements whilst studying towards an enrolled higher degree. Intermediate awards allow students to take out a suite of awards when they graduate from an articulated higher degree. For example, as a student progresses towards the requirements for a Masters degree they may meet the requirements of an articulating Postgraduate Certificate and Postgraduate Diploma. An intermediate award is official confirmation of completion of the specified required units, for an approved articulating award.

### Intermission

An approved break in enrolment where the student's place in their course is guaranteed provided they resume studies at the end of the period of intermission. Also referred to as 'suspension'.

### Internal Mode of Study

Units studied on campus and requiring contact time.

See also External Mode of Study.

### Location

Courses and units are offered at Murdoch campus, Peel Education and TAFE campus and Rockingham campus, plus other locations through partnerships with selected Australian tertiary education providers and overseas institutions.

Locations applicable to each course and unit can be seen in the Courses and Units sections.

### Major

In Bachelor-level courses, a grouping of academically coherent units approved by Academic Council, that prescribes up to 12 Part I credit points (unless Academic Council has approved more), inclusive of a Foundation unit, and 24 or more Part II credit points. All Bachelor degree courses include at least one major, except for General Arts which comprises three minors instead.

Available majors are shown in the context of courses in the Courses section.

### Minor

A recognised set of academically coherent related units, approved by Academic Council, that prescribes 11 to 19 credit points, with no more than 9 Part I credit points and at least 8 Part II credit points. At least 6 Part II credit points cannot be counted towards a major or another minor. A minor can be within or outside the area of a student's major and has the purpose of specialisation or diversification.

Available minors are in the Minors section.

### Part I

The first academic year of an undergraduate course. Part I is designed to provide a basis upon which studies in Part II are built

and, where the course structure is not fully prescribed, to allow students to develop their interests before finally deciding their course of study.

### **Part II**

The second and subsequent academic years of an undergraduate course.

### **Part-time Study**

Unit enrolments which total less than a full-time study load.

### **Points**

See Credit Points.

### **Postgraduate**

Relates to a student or study beyond the Bachelor's degree level.

### **Prerequisite**

See Unit Prerequisite.

### **Program of Study**

The principal document required of research students for the approval of their thesis plan by the University.

### **Qualification**

The title of the degree, diploma or certificate granted to a student who has completed the requirements of their chosen course.

### **Quota**

A limit placed on the number of enrolments in a unit offering or a restriction as to the cohort of students eligible to enrol in a unit.

Units subject to quota are recorded as such in the Units section.

### **Required Unit**

See Unit.

### **Restricted Major/Course**

A major is restricted when one or more of its Core Units is subject to quota. All postgraduate courses are subject to restriction.

### **School**

Faculties are divided into Schools, which are defined by disciplines. Schools are the basic administrative groups of academic and supporting general staff that are responsible for academic work and academic support.

Also see Faculty.

### **Semester**

Refers to the organisation of the teaching year into two principal teaching periods of equal length. A standard semester includes 12 teaching weeks and a final two-week assessment period.

See also Teaching Period, the Principal Dates calendar, and the list of teaching periods.

### **Service Teaching Unit**

A unit used as a Core Unit in a course or major, where the School owning the unit is different to the School owning the course or major.

### **Special Topic Unit**

A Part II or postgraduate-level specialty unit for which different topics are run for individual unit offerings. This enables students to study topics that may not be offered each year, or which are being offered on a pilot basis for a possible future unit.

### **Specialisation**

A set of academically coherent units within a postgraduate-level course, where the credit points value of the Core Units within that set is greater than 50 percent of the total credit points required to complete the course. A specialisation will be recorded on the student's academic transcript and appear on their testamur.

Also referred to as 'graduate specialisation'.

### **Specified Elective Unit**

See Unit.

### **Suspension**

See Intermission.

### **Teaching Period**

The period of time spent in teaching and assessing a unit, lasting from the first day of instruction to the final day of assessment. Each teaching period is known by a code that uniquely identifies it within the academic year. Start, end and other key dates for a teaching period may vary from year to year.

'Standard' teaching periods are defined for each of the main teaching calendars. They have consistent codes from year to year and their start and end dates are set by Academic Council.

Standard teaching periods are:

Semester 1 = S1 (February to June)  
 Semester 2 = S2 (August to November)  
 Full Year = Y (S1 then S2)  
 Straddle Year = H (S2 then S1)  
 Summer term = SUM (November/December of the preceding calendar year to February)  
 Winter term = W (June to July)  
 Trimester 1 = T1 (January to April)  
 Trimester 2 = T2 (April/May to July/August)  
 Trimester 3 = T3 (August to November)

All other teaching periods are called 'non-standard'.

A list of teaching periods is at the beginning of the Units section.

### **Trimester**

Refers to the organisation of the teaching year into three principal teaching periods of equal length. A standard trimester is 14 weeks long, with the final week used for assessment.

See also Teaching Period, the Principal Dates calendar, and the list of teaching periods.

### **Unit**

The basic element of a course that delivers educational material prescribed in the curriculum.

A combination of required units (Core units plus Specified Elective units) and General Elective units make up the structure of a course, major, minor or specialisation.

A Core Unit is a compulsory unit in an approved course, major, minor or specialisation.



A Specified Elective unit is a compulsory elective unit in an approved course, major, minor or specialisation. A student is required to select a specific number of Specified Elective units from an approved list.

A General Elective unit is a unit of a student's free choice.

#### **Unit Activity**

The collective term used for all teaching activities, such as lectures, tutorials, laboratories, workshops, seminars etc. Students enrol in activities through MyInfo.

#### **Unit Class**

Refers to the mode of study in which a unit is offered by the University. Current modes of study are Internal (unit class code is 'D'; see Internal Mode of Study) and External (unit class code is 'X'; see External Mode of Study).

Also see Enrolment Option.

#### **Unit Code**

Each unit is assigned a code comprising a triple alpha plus triple numeric. The triple alpha aligns with the broad discipline area of the unit. The first digit in the numeric indicates the level of study. Unit codes may include a suffix or additional digits where the unit's credit points differ from the default credit point value for that unit.

#### **Unit Offering**

See Enrolment Option.

#### **Unit Prerequisite**

A requirement which a student must have satisfied in order to be allowed to enrol in a unit. For example: a pass in another unit (unless already passed as an equivalent unit at another institution); enrolment in a specified major; completion of Part I of a nominated course. Not all units have prerequisites.

The prerequisites applicable to each unit can be seen in the Units section.

#### **Unit Set**

Used to define a student's nominated path of study and to assist in the assessment of progression and completion of the student's course attempt. For academic purposes, Unit Sets are a grouping of related units. The units represent a defined area of study and can be broken down into types such as Majors, Minors and Specialisations. They all have their own completion rules and most have a level of choice in the units selected by a student for study.

For example, a major in Energy Studies or a specialisation in Environmental Ethics.



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