

Sample Course Plan - Semester 1 2021 entry
B1391 Bachelor of Agricultural Science
Crop and Pasture Science + Animal Science double major - 72 credit points
Academic Chair Crop and Pasture Science: Dr Graham O'Hara
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Academic Chair Animal Science: Associate Professor Andrew Thompson
Email: Andrew.Thompson@murdoch.edu.au

Major Prerequisites: Chemistry Background

Students who achieved a final scaled score of 50 percent or more in Chemistry 3A/3B or Chemistry ATAR within the past three years should seek an exemption from their Academic Chair for CHE140 Fundamentals of Chemistry. Students who have completed previous chemistry not stated above should also consult their Academic Chair for clarification of their enrolment requirements. The following course plan applies for students that are granted an exemption for CHE140.

Semester 1			Semester 2		
Year 1	ANS105 Agricultural Science and Food Production	3pts	ANS101 Introduction to Livestock Science and Genetics	3pts	
	BSC100 Building Blocks for Science Students	3pts	BIO152 Cell Biology	3pts	
	MAS183 Statistical Data Analysis	3pts	BMS107 Foundations of Vertebrate Form and Function	3pts	
	Part I or II General Elective	3pts	MSP100 Career Learning: Managing Your Career	3pts	
		12pts		12pts	
Year 2	ANS230 Animal Production Systems II	3pts	ANS207 Crop and Pasture Science	3pts	
	ENV243 Water and Earth Science	3pts	ANS208 Crop Protection and Plant Biosecurity	3pts	
	VET272 Comparative Mammalian Biochemistry	3pts	ANS221 Animal Structure and Function	3pts	
	Specified Elective*	3pts	Part II Murdoch Spine Unit**	3pts	
		12pts		12pts	
Year 3	ANS309 Agricultural Markets, Economics and Policy	3pts	ANS311 Agricultural and Environmental Technologies	3pts	
	ANS333 Animal Production Systems III	3pts	ANS312 Advanced Crop and Pasture Science	3pts	
	VET380 Veterinary Nutrition and Animal Toxicology	3pts	ANS337 Animal Industry Experience	3pts	
	Part II Murdoch Spine Unit**	3pts	Part II General Elective	3pts	
		12pts		12pts	

***Specified Electives** Choose one of the following five units:

[BIO246](#) Microbiology - 3 points
MURDOCH: S1-internal
[BIO282](#) Molecular Biology - 3 points
MURDOCH: S1-internal
[MAS223](#) Applied Statistics - 3 points
MURDOCH: S2-internal, S2-external
[BIO257](#) Australian Biodiversity - 3 points
MURDOCH: S2-internal
[ENV303](#) GIS for Environmental Management and Planning - 3 points
MURDOCH: S2-internal, S2-external

****Part II Murdoch Spine: Career learning Units**

Select from the following:
[MSP200](#) Building Enterprise Skills – 3 pts
MURDOCH: S1-external, S2-external
[MSP201](#) Real World Learning – 3 pts
MURDOCH: S1-external, S2-external, SUM-external, W-external, Y-external
[ANS302](#) Farm Placement – 3 pts (is an alternative to MSP200 or MSP201)
MURDOCH: S1-placement, S2-placement, SUM-placement, W-placement, Y-placement
[ANS303](#) Industry Tour – 3 pts (is an alternative to MSP201)
MURDOCH: S2-internal

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course. Correct as at 17.01.2020

Recommended General Electives:

[ANS301](#) International Study Tour Opportunities – 3 pts

MURDOCH: S2N-internal

[ANS363](#) Applied Animal Agriculture – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS364](#) Applied Animal Breeding – 3 pts

MURDOCH: S1-internal, S2-internal, Y-internal

[ANS365](#) Equine Physiology and Behaviour – 3 pts

MURDOCH: S1-internal

[ANS366](#) Equine Nutrition and Health – 3pts

MURDOCH: S2-internal

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