

Course Plan – Commencement Semester 1, 2021

G1070 Graduate Diploma in Engineering

24pts

Martina Calais

Major: Electrical Power Engineering			
Semester 1		Semester 2	
Year 1	ENG558 Advanced Power Electronics	3 pts	ENG556 Power System Modelling and Analysis
	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis
	Specified Elective	3 pts	Specified Elective
	Specified Elective	3 pts	Specified Elective
		12 pts	
Year 2			

Specified Electives – 12 credit points

Select from the Specified Elective Unit List below.

Students must meet the unit-specific prerequisites, if any, for the elective selected.

[TLC501](#) Communication Skills for Postgraduate Study - 3 points

MURDOCH: S1-internal, S2-internal

[ENG557](#) Distributed Energy Resources and Demand Response

MURDOCH: S1-internal

[ENG682](#) Advanced Power Systems Protection and Control

MURDOCH: S2-internal

[ENG501](#) PLC Applications - 3 points

MURDOCH: S1-internal

[ENG523](#) Control Systems - 3 points

MURDOCH: S2-internal

[ICT616](#) Data Resources Management - 3 points

MURDOCH: S1-internal, S2-internal

[PEN590](#) Energy Systems - 3 points

MURDOCH: S2-internal, S2-external

[PEN594](#) Energy Auditing and Management - 3 points

MURDOCH: S1-internal, S1-external

[PEN504](#) Greenhouse Gas Reporting and Life Cycle Assessment - 3 points

MURDOCH: S2-internal, S2-external

[PEN637](#) Applied Solar PV – 3 points

Murdoch: S2-internal

[PEN639](#) Wind and Hydroelectricity – 3 points

Murdoch: S2-internal

[PEN634](#) Solar Thermal and Biomass Energy – 3points

Murdoch: S1-internal; S1-external

[MBS538](#) Organisational Behaviour and Management - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external,

[MBS673](#) Entrepreneurship and Innovation Management - 3 points

MURDOCH: S1-internal, S1-external, SUM-internal, SUM-external

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](#) . This course plan will vary depending on chosen minors and your academic progression.

Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. Page 1

[ENG550](#) Design Project - 3 points

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

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Course Plan – Commencement Semester 1, 2021

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Martina Calais

Major: Industrial Control Systems Engineering

		Semester 1		Semester 2	
Year 1	ENG501 PLC Applications	3 pts	ENG523 Control Systems	3 pts	
	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts	
	Specified Elective	3 pts	Specified Elective	3 pts	
	Specified Elective	3 pts	Specified Elective	3 pts	
		12 pts		12pts	
Year 3					

Specified Electives – 12 credit points

Select from the Specified Elective Unit List below.

Students must meet the unit-specific prerequisites, if any, for the elective selected.

[ENG608](#) Communications, Measurement and Control – 3 points

Murdoch: S1-internal

[ENG609](#) SCADA and Industrial Control Systems – 3 points

Murdoch: S2-internal

[ENG550](#) Design Project - 3 points

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

[ICT616](#) Data Resources Management - 3 points

MURDOCH: S1-internal, S2-internal

[TLC501](#) Communication Skills for Postgraduate Study - 3 points

MURDOCH: S1-internal, S2-internal

[ENG558](#) Advanced Power Electronics - 3 points

MURDOCH: S1-internal

[ENG556](#) Power System Modelling and Analysis - 3 points

MURDOCH: S2-internal

[PEN590](#) Energy Systems - 3 points

MURDOCH: S2-internal, S2-external

[PEN594](#) Energy Auditing and Management - 3 points

MURDOCH: S1-internal, S1-external

[PEN504](#) Greenhouse Gas Reporting and Life Cycle Assessment - 3 points

MURDOCH: S2-internal, S2-external

[PEN637](#) Applied Solar PV – 3 points

Murdoch: S2-internal

[PEN639](#) Wind and Hydroelectricity – 3 points

Murdoch: S2-internal

[PEN634](#) Solar Thermal and Biomass Energy – 3points

Murdoch: S1-internal; S1-external

[MBS538](#) Organisational Behaviour and Management - 3 points

MURDOCH: S1-internal, S1-external, S2-internal, S2-external, SUM-internal, SUM-external,

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