Course Plan – Commencement Semester 1, 2021

M1193 Master of Engineering

48pts

Martina Calais

	IVidi (IIId Caldis Major: Electrical Dower Engineering and Miner: Industrial Control Systems Engineering								
	Major: Electrical Power Engineering and Minor: Industrial Control Systems Engineering Or								
	Major: Industrial Control Systems Engineering and Minor: Electrical Power Engineering								
Semester 1			Semester 2						
<u> </u>	ENG558 Advanced Power Electronics	3 pts	ENG556 Power System Modelling and Analysis	3 pts					
	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts					
	ENG501 PLC Applications	3 pts	ENG523 Control Systems	3 pts					
	Specified Elective	3 pts	Specified Elective	3 pts					
		12 pts		12 pts					
Year 2			ENG100 Engineering Professional Practice	0 pts					
	ENG608 Communications, Measurement and Control	3 pts	ENG682 Advanced Power Systems Protection and Control	3 pts					
	ENG557 Distributed Energy Resources and Demand Response	3 pts	ENG609 SCADA and Industrial Control Systems	3 pts					
	ENG610 Engineering Design Project (3pts) and Specified Elective (3 pts)	6 pts	ENG610 Engineering Design Project (3pts) and Specified Elective (3 pts)	6 pts					
	or		or						
	ENG615 Engineering Masters Project (6pts)		ENG615 Engineering Masters Project (6pts)						
		12 pts		12 pts					

Specified Electives
TLC501 Communication Skills for Postgraduate Study - 3 points
MURDOCH: S1-internal, S2-internal
ICT616 Data Resources Management - 3 points
MURDOCH: S1-internal, S2-internal
ICT615 Information Technology Research Methods - 3 points
MURDOCH: S1-internal
PEN504 Greenhouse Gas Reporting and Life Cycle Assessment - 3 points
MURDOCH: S2-internal, S2-external
PEN590 Energy Systems - 3 points
MURDOCH: S2-internal, S2-external
PEN634 Solar Thermal and Biomass Energy - 3 points
MURDOCH: S2-internal, S2-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 <u>sample only</u> and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online <u>Handbook</u>. 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 coprage 1

Course Plan – Commencement Semester 1, 2021

M1193 Master of Engineering

48pts

Martina Calais

Martina Calais Major: Electrical Power Engineering and Minor: Renewable Energy Technologies						
Semester 1			Semester 2			
ear	ENG558 Advanced Power Electronics	is nfc	ENG556 Power System Modelling and Analysis	3 pts		
	ENG691 Hazard, Risk and Project Management	is nfc	ENG670 Measurement and Uncertainty Analysis	3 pts		
	PEN594 Energy Auditing and Management	3 pts	PEN637 Applied Solar PV	3 pts		
	Specified Elective	3 pts	PEN639 Wind and Hydroelectricity	3 pts		
		12 pts		12 pts		
Year 2			ENG100 Engineering Professional Practice	0 pts		
	ENG557 Distributed Energy Resources and Demand Response	is nte	ENG682 Advanced Power Systems Protection and Control	3 pts		
	PEN623 Renewable Energy Systems Design	3 pts	Specified Elective (e.g. <u>PEN634</u> Solar Thermal and Biomass Energy)	3 pts		
	ENG610 Engineering Design Project (3pts) and Specified Elective (3 pts)	6pts	ENG610 Engineering Design Project (3pts) and Specified Elective (3 pts)	6 pts		
	or		or			
	ENG615 Engineering Masters Project (6pts)		ENG615 Engineering Masters Project (6pts)			
		12 pts		12 pts		

Specified Electives

TLC501 Communication Skills for Postgraduate Study - 3 points MURDOCH: S1-internal, S2-internal ICT616 Data Resources Management - 3 points MURDOCH: S1-internal, S2-internal ICT615 Information Technology Research Methods - 3 points MURDOCH: S1-internal PEN504 Greenhouse Gas Reporting and Life Cycle Assessment - 3 points MURDOCH: S2-internal, S2-external PEN590 Energy Systems - 3 points MURDOCH: S2-internal, S2-external PEN634 Solar Thermal and Biomass Energy - 3 points MURDOCH: S2-internal, S2-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

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Course Plan – Commencement Semester 1, 2021

M1193 Master of Engineering

48pts

Martina Calais

	Mai tina Calais Major: Industrial Control Systems Engineering and Minor: Renewable Energy Technologies						
Semester 1			Semester 2				
Year 1	ENG501 PLC Applications	3 pts	ENG523 Control Systems	3 pts			
	ENG691 Hazard, Risk and Project	3 nts	ENG670 Measurement and Uncertainty	3 nto			
	Management	3 pts	Analysis	3 pts			
	PEN594 Energy Auditing and Management	3 pts	PEN637 Applied Solar PV	3 pts			
	Specified Elective	3 pts	PEN639 Wind and Hydroelectricity	3 pts			
		12 pts		12 pts			
			ENG100 Engineering Professional Practice	0 pts			
	ENG608 Communications, Measurement	2 mto	ENG609 SCADA and Industrial Control	3 pts			
	and Control	3 pts	Systems				
	PEN623 Renewable Energy Systems Design	3 nts	Specified Elective (e.g. <u>PEN634</u> Solar	3pts			
r 3		5 pts	Thermal and Biomass Energy)	Spis			
Year	ENG610 Engineering Design Project (3pts)		ENG610 Engineering Design Project (3pts)	6 pts			
~	and Specified Elective (3 pts)	Casha	and Specified Elective (3 pts)				
	or	6pts	or				
	ENG615 Engineering Masters Project (6pts)		ENG615 Engineering Masters Project (6pts)				
		12 pts		12 pts			

Specified Electives TLC501 Communication Skills for Postgraduate Study - 3 points MURDOCH: S1-internal, S2-internal ICT616 Data Resources Management - 3 points MURDOCH: S1-internal, S2-internal ICT615 Information Technology Research Methods - 3 points **MURDOCH: S1-internal** PEN504 Greenhouse Gas Reporting and Life Cycle Assessment - 3 points MURDOCH: S2-internal, S2-external PEN590 Energy Systems - 3 points MURDOCH: S2-internal, S2-external PEN634 Solar Thermal and Biomass Energy - 3 points MURDOCH: S2-internal, S2-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

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