

**Course Plan – Commencement Semester 2, 2020**

**M1305 Master of Engineering (ME) and Master of Information Technology (MIT)**

**48pts**

**Martina Calais (ME), Polychronis Koutsakis and Guanjin Wang (MIT)**

<b>Majors: Electrical Power Engineering and Data Science</b>				
	<b>Semester 1</b>		<b>Semester 2</b>	
<b>Year 1</b>			<a href="#">ENG100</a> Engineering Professional Practice	0 pts
			<a href="#">ENG556</a> Power System Modelling and Analysis	3 pts
			<a href="#">ENG670</a> Measurement and Uncertainty Analysis	3 pts
			<a href="#">ICT508</a> Information Technology Project Management	3 pts
			<a href="#">ICT515</a> Foundations of Data Science	3 pts
				12 pts
<b>Year 2</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts	<a href="#">ENG100</a> Engineering Professional Practice	0 pts
	<a href="#">ENG558</a> Advanced Power Electronics	3 pts	<a href="#">ENG682</a> Advanced Power Systems Protection and Control	3 pts
	<a href="#">ENG691</a> Hazard, Risk and Project Management	3 pts	<a href="#">ENG610</a> Engineering Design Project	3 pts
	<a href="#">ICT619</a> Artificial Intelligence	3 pts	<a href="#">ICT513</a> Data Analytics	3 pts
	<a href="#">ICT616</a> Data Resources Management	3 pts	<a href="#">ICT601</a> Business Analytics	3 pts
		12 pts		12 pts
<b>Year 3</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts		
	<a href="#">ENG557</a> Distributed Energy Resources and Demand Response	3 pts		
	<a href="#">ENG610</a> Engineering Design Project	3 pts		
	<a href="#">ICT621</a> IT Group Project	6 pts		
			12 pts	

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

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<b>Majors: Electrical Power Engineering and Internetworking and Security</b>				
	<b>Semester 1</b>		<b>Semester 2</b>	
<b>Year 1</b>			<a href="#">ENG100</a> Engineering Professional Practice	0 pts
			<a href="#">ENG556</a> Power System Modelling and Analysis	3 pts
			<a href="#">ENG670</a> Measurement and Uncertainty Analysis	3 pts
			<a href="#">ICT546</a> Local Area Network Design and Implementation	3 pts
			<a href="#">ICT622</a> Information Technology Strategy	3 pts
				12 pts
<b>Year 2</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts	<a href="#">ENG100</a> Engineering Professional Practice	0 pts
	<a href="#">ENG558</a> Advanced Power Electronics	3 pts	<a href="#">ENG682</a> Advanced Power Systems Protection and Control	3 pts
	<a href="#">ENG691</a> Hazard, Risk and Project Management	3 pts	<a href="#">ENG610</a> Engineering Design Project	3 pts
	<a href="#">ICT508</a> Information Technology Project Management	3 pts	<a href="#">ICT611</a> Advanced Routing	3 pts
	<a href="#">ICT535</a> Advanced Business Data Communications	3 pts	<a href="#">ICT603</a> Wireless Data Communications	3 pts
		12 pts		12 pts
<b>Year 3</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts		
	<a href="#">ENG557</a> Distributed Energy Resources and Demand Response	3 pts		
	<a href="#">ENG610</a> Engineering Design Project	3 pts		
	<a href="#">ICT613</a> Router and Firewall Security	3 pts		
	<a href="#">ICT502</a> Applied Information Security Management	3 pts		
		12 pts		

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<b>Majors: Industrial Control Systems Engineering and Data Science</b>				
	<b>Semester 1</b>		<b>Semester 2</b>	
<b>Year 1</b>			<a href="#">ENG100</a> Engineering Professional Practice	0 pts
			<a href="#">ENG523</a> Control Systems	3 pts
			<a href="#">ENG670</a> Measurement and Uncertainty Analysis	3 pts
			<a href="#">ICT508</a> Information Technology Project Management	3 pts
			<a href="#">ICT515</a> Foundations of Data Science	3 pts
				12 pts
<b>Year 2</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts	<a href="#">ENG100</a> Engineering Professional Practice	0 pts
	<a href="#">ENG501</a> PLC Applications	3 pts	<a href="#">ENG609</a> SCADA and Industrial Control Systems	3 pts
	<a href="#">ENG691</a> Hazard, Risk and Project Management	3 pts	<a href="#">ENG610</a> Engineering Design Project	3 pts
	<a href="#">ICT619</a> Artificial Intelligence	3 pts	<a href="#">ICT513</a> Data Analytics	3 pts
	<a href="#">ICT616</a> Data Resources Management	3 pts	<a href="#">ICT601</a> Business Analytics	3 pts
		12 pts		12 pts
<b>Year 3</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts		
	<a href="#">ENG608</a> Communications, Measurement and Control	3 pts		
	<a href="#">ENG610</a> Engineering Design Project	3 pts		
	<a href="#">ICT621</a> IT Group Project	6 pts		
		12 pts		

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<b>Semester 1</b>		<b>Semester 2</b>	
<b>Year 1</b>			<a href="#">ENG100</a> Engineering Professional Practice 0 pts
			<a href="#">ENG523</a> Control Systems 3 pts
			<a href="#">ENG670</a> Measurement and Uncertainty Analysis 3 pts
			<a href="#">ICT546</a> Local Area Network Design and Implementation 3 pts
			<a href="#">ICT622</a> Information Technology Strategy 3 pts
			12 pts
<b>Year 2</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts	<a href="#">ENG100</a> Engineering Professional Practice 0 pts
	<a href="#">ENG501</a> PLC Applications	3 pts	<a href="#">ENG609</a> SCADA and Industrial Control Systems 3 pts
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	<a href="#">ICT535</a> Advanced Business Data Communications	3 pts	<a href="#">ICT603</a> Wireless Data Communications 3 pts
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<b>Year 3</b>	<a href="#">ENG100</a> Engineering Professional Practice	0 pts	
	<a href="#">ENG608</a> Communications, Measurement and Control	3 pts	
	<a href="#">ENG610</a> Engineering Design Project	3 pts	
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