M1330 – Master of Engineering Practice

Major: Intelligent Industrial Control and Autonomous Systems Engineering	Minor: Engineering Design
Academic Chair	Hai Wang	Hai.Wang@murdoch.edu.au
Year:	2023	Semester:	1

	Semester 1				Semester 2		
	Units	**CP**			**Units**	**CP**	
Year 1 - 2023	ENG551 - Microcontrollers and Data Communication	3	CP**		ICT515 - Foundations of Data Science	3	CP**
	ENG552 - Industrial Control Systems	3			ENG544 - Engineering Sustainability	3	
	ENG553- Control Systems and Process Dynamics	3			ENG543 - Modelling and Systems Engineering	3	
	ENG500 - Finance, Management, Ethics and Law	3	Wint:		Specified Elective	3	Sum:
	SEMESTER TOTAL	12	**		SEMESTER TOTAL	12	**
Year 2 - 2024	ENG613 - Applied Robotics (Robotic Manipulation)	3	CP**		ENG612 - Autonomous Systems	3	CP**
	ICT606 Machine Learning	3			ENG611 - Intelligent Systems	3	
	GRD504 - Research Methods for Innovation	3			ENG605 Design Project	6	
	BUS354 - Leading Emerging Futures	3	Wint:		ENG100 Engineering Professional Practice	0	Sum:
	SEMESTER TOTAL	12	**		SEMESTER TOTAL	12	**
	Total Credit Points						48

Recommended Specified Electives:
ENG553 Control Systems and Process Dynamics
ENG552 Industrial Control Systems
ENG551 Microcontrollers and Data Communication
ENG570 Circular Economy and Innovation
ENV554 Land and Water Management
ENV556 Principles of Environmental Impact Assessment
ENV557 Environmental Assessment and Management
ENV616 Environmental Policy for the 21st Century
ICT606 Machine Learning
TLC501 Communication Skills for Postgraduate Study

M1330 – Master of Engineering Practice

Major: Intelligent Industrial Control and Autonomous Systems Engineering				Minor: Engineering Research			
Academic Chair		Hai Wang		Hai.Wang@murdoch.edu.au			
Year:		2023		Semester:		1	

	Semester 1				Semester 2		
	Units	**CP**			**Units**	**CP**	
Year 1 - 2023	ENG551 - Microcontrollers and Data Communication	3	CP **		ICT515 - Foundations of Data Science	3	CP **
	ENG552 - Industrial Control Systems	3			ENG544 - Engineering Sustainability	3	
	ENG553 - Control Systems and Process Dynamics	3			ENG543 - Modelling and Systems Engineering	3	
	ENG500 - Finance, Management, Ethics and Law	3	Wint:		Specified Elective	3	Sum:
	SEMESTER TOTAL	9	**		SEMESTER TOTAL	12	**
Year 2 - 2024	ENG613 - Applied Robotics (Robotic Manipulation)	3	CP 3 **		ENG612 - Autonomous Systems	3	CP **
	ICT606 Machine Learning	3	Wint:ENG606 Thesis Project		ENG611 - Intelligent Systems	3	
	ENG606 Thesis Project	6			ENG606 Thesis Project	6	
					ENG100 Engineering Professional Practice	0	Sum:
	SEMESTER TOTAL	12	**		SEMESTER TOTAL	12	**
Total Credit Points							48

Recommended Specified Electives:

ENG553 Control Systems and Process Dynamics
ENG552 Industrial Control Systems
ENG551 Microcontrollers and Data Communication
ENG570 Circular Economy and Innovation
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