	M1	330 - Maste	r of	Eng	gineering Practice					
Major: Environmental and Sustainable					Minor:					
	Syst	ems Engineering			Engineering Design					
Academic Chair Martin Anda					m.anda@murdoch.edu.au					
Year: 2023					Semester: 1					
Semester 1					Semester 2					
Year 1 - 2023	Units		СР		Units					
	ENG570 - Circular Economy and Innovation		3	CP **	ICT515 - Foundations of Data * Science		CP **			
	ENG571 - Hydrology and Water Cycle Management		3		ENG544 - Engineering Sustainability	3				
	ENG572 - Design of Water Treatment Unit Operations		3		ENG543 - Modelling and Systems Engineering	3				
	ENG500	3	Wint:	Specified Elective	3	Sum:				
		SEMESTER TOTAL		**	SEMESTER TOTAL	12	**			
Year 2 - 2024		73 - Integrated Waste agement for Resource Recovery	3	** d)	ENG622 - Industrial Ecology (Symbiosis)	3	** *			
	ENG621 - Land Use Planning and Green Infrastructure		3		ENG630 - Hydrogen 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	**	SLIVILSTER TOTAL		** 48			
	Total Credit Points									

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

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 (https://handbook.murdoch.edu.au/). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course. Correct as at 12/10/2022.

M1330 – Master of Engineering Practice													
Majo	r: Enviro	onmental and Sustai	nable		Minor:								
	Syst	ems Engineering			Engineering Research								
Academic Chair Martin And				m.anda@murdoch.edu.au									
Year: 2023					Semester: 1								
Semester 1					Semester 2								
Year 1 - 2023		Units			Units		СР						
	ENG570 - Circular Economy and Innovation		3	CP **	ICT515 - Foundations of Data Science		3	CP **					
	ENG571 - Hydrology and Water Cycle Management		3		ENG544 - Engineering Sustainability		3						
	ENG572 - Design of Water Treatment Unit Operations		3		ENG543 - Modelling and Systems Engineering Specified Elective		3] - :E					
	ENG500		نے ا	3									
			Wint:				Sum:						
	•	SEMESTER TOTAL		**	SEMESTER TOTAL		12	**					
Year 2 - 2024	ENG573 - Integrated Waste Management for Resource Recovery		3	CP 3 **	ENG622 - Industrial Ecology (Symbiosis)		3	CP **					
		ENG621 - Land Use Planning and Green Infrastructure ENG606 Thesis Project		.t	ENG630 - Hydrogen Systems ENG606 Thesis Project		3						
	EN)60()jec			6]					
				Wint:ENG606 Thesis Project	ENG100 Engineering Professional Practice		0	n:					
				Wii The				Sum:					
	SEMESTER TOTAL		12	**	SEMESTER TOTAL		12	**					

Recommended Specified Electives:

48

Total Credit Points

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

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