

Year 5 MAI (B) - Semester 1

Version:

06/09/2023

DAY	0900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900
MONDAY	EESC16 [SYNGE]	CE7J04 [DO]	EEPPSC25 [M21]	MEPSSB16 [CEDR]	CE7T01 [GEOG-B]					
	MEPSSB10 [CEDR]	MESM04 [CEDR]	MEPSS5E04 [DO]	EEPPSC21 [AP2.28]						
TUESDAY	CE7J04 [CEDR]		CE7E07 [SPSR]	CE7E07 [SPSR]	EEPPSC21 [CLT]			MEPSS5E04 [PARSONS PC LABS]		
			MEPSS5E04 [CLT]				MESM04 [CLT]			
WEDNESDAY		EESC16 [AP2.28]		MEPSSB15 [CLT]				MEPSS5B10 [PARSONS PC LABS]		
	MEPSSB10 [PARSONS PC LABS]							MESE3/MEU44EM9 Mechanics Laboratories [CLT]		
THURSDAY	T1 [CEDR]	T1 [CEDR]		EEPPSC21 [AP3.19]	EEPPSC25 [M20]	T1 [M21]			MESE3/MEU44EM9 Mechanics Laboratories [CLT]	
	EESC16 [CHLT]	EESC16 [CHLT]							CE7E07 [M1.7]	
FRIDAY		MESMM7 [M21]	MEPSSB10 [M1.7]	MESMM3 [CLT]	MESMM7 [DO]	MESMM7 [DO]		MESE3/MEU44EM9 Mechanics Laboratories [CLT]		
		MESM04 [CLT]	EESC16 [PARSONS PC LABS]		EEPPSC25 [AP2.28]			EEPPSC21 [AP2.28]		

Year 5 MAI (B) - Modules, Venues and Information

Module codes:

Mandatory Modules

MEPSS5E01 = Mechanical Engineering Research Project [30 credits]

Optional Modules

Semester 1 & 2

MEPSSB15 = Low Carbon Transport Technology [10 credits]

MEPSSB16 = Low Carbon Power Technology [10 credits]

MESE3 = Innovation in Product Development [15 credits]** - 4MEMS9 is a co-requisite

Semester 1

MEPSSB10 = Finite Element Analysis [5 credits]

EEPPSC25 = Algorithms for Quantum Computing [5 credits]

EEPPSC21 = Cyber-Physical Systems and Control [5 credits]

EESC16 = Deep Learning and its Applications [10 credits]

MEPSS5E04 Computational Fluid Mechanics [5 credits]

5MEMS3 = MESMM3/MEU44EM3 Supply Chain Management [5 credits]

5MEMS7 = MESMM7 Risk Management and Safety Assessment Systems [5 credits]

CE7J02 = Solar Energy [5 credits]

CE7J04 Energy Policy and Demand [5 credits]

MESM04 = Heat Transfer [5 credits]

E7 = CE7E07 Sustainable Water Supply and Sanitation [5 credits]

T1 = CE7T01 Transportation Policy [5 credits]

Semester 2

CE7J01 Wind Energy [5 credits]

CE7J06 Wave and Hydro Energy [5 credits]

MEPSSB10 = Turbomachinery [5 credits]

ME5B03 Advanced Thermal Fluid Sciences [10 credits] - pre-requisites 4B3, 4B4 and 4B13

MEPSSB14 = Engineering Vibrations and Noise [5 credits]

EEPPSC23 = Computation for Transport Engineering [5 credits]

EEPPSC24 = Simulations for Geo-physical Modelling [5 credits]

ME5MM1/MEU44MM1 Advanced Manufacturing II

- Additive Manufacturing and Laser Processing [5 credits] - pre-requisite 4B5

ME5M05 = Manufacturing Technology

CS7GV4

CS7J55

CE7E05

EESC01

EEPPSM08

ME5M06

EEPPSC22 = Computational Methods MSC only

Laboratories:

Always check scheduling information.

Venues:

CEDR = Civil Engineering Demonstrating Room, 1st Floor, Simon Perry Building

SPSR = MSc Seminar Room, 3rd Floor, Simon Perry Building

CLT = Crossland Lecture Theatre, Parsons Building

ECAL = ECAL PC Laboratory, First Floor, Parsons Building

MEDAL = Design PC Lab, Parsons Building

M17 = Museum 17, 1st Floor, Museum Building

DO = Drawing Office, Museum Building

M21 = Museum 21, 1st Floor, Museum Building

CHLT = Science Lecture Theatre, Chemistry Building, Room 1.25

SYNGE = JM Syngé Theatre, Arts Building

AP2.28 = Room 2.28 (CadLab), Aras an Phiarsaigh

AP3.19 = Room 3.19, Aras an Phiarsaigh

PARSONS PC LABS = ECAL and MEDAL

Semester dates:

First semester: Monday, 11th September, 2023 to Friday, 1st December, 2023

Second semester: Monday, 22nd January, 2024 to Friday, 12th April 2024

Study/Review Weeks:

First semester: Monday, 23rd October 2023 to Friday, 27th October 2023

Second semester: Monday, 4th March 2024 to Friday, 8th March 2024

Examination dates:

Semester 1 examinations:

Monday, 11th December 2023 to Friday, 15th December 2023*

(*contingency days may be required outside of the formal assessment weeks)

Semester 2 examinations:

Monday, 29th April, 2024 to Friday, 3rd May, 2024**

(*contingency days may be required outside of the formal assessment weeks)

Reassessment session:

To be confirmed

* MAI students may choose to be considered for SE3 Innovation and Product Development. Places on this module are limited and are offered competitively at the start of the academic year.