Year 5 MAI (B) - Semester 1

Version: 19/09/2024

DAY	0900 - 1000	1000 - 1100	1100 - 1200	1200 - 1300	1300 - 1400	1400 - 1500	1500 - 1600	1600 - 1700	1700 - 1800	1800 - 1900
MONDAY	**EE5C16** [SYNGE]	**CE7J04** [DO]		**MEP55E04** [DO]	**MEP55B16** [CEDR]					
	MEP55B10 [CEDR]				**EEP55C21** [AP2.28]					
TUESDAY	**CE7J04** [CEDR]	**EE5C16** [DOLT0.32]		**MEP55E04** [CLT]	***Industry Talks HAM4***	**EEP55C21** [CLT]	**MEP55E04** [PARSONS PC LABS]			
WEDNESDAY	**EE5C16** [AP2.28]			**MEP55B15** [CLT]				**MEP55B10** [PARSONS PC LABS]		
	MEP55B10 [PARSONS PC LABS]							**ME5E3/MEU44EM9 Mechanics Laboratories** [CLT]		
THURSDAY		**EE5C16** [CHLT]		**EEP55C21** [AP3.19]				**ME5MM3** [CLT]		
FRIDAY		**ME5MM7** [M21]	**MEP55B10** [M17]	**ME5MM3** [CLT]	**ME5MM7** [CLT]		**ME5E3/MEU44EM9 Mechanics Laboratories** [CLT]			
			EE5C16 [AP2.28]				**EEP55C21** [AP2.28]			

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

Module codes:

Mandatory Modules

MEP555E01 = Mechanical Engineering Research Project [30 credits]

Optional Modules

Semester 1 & 2

MEP55B15 = Low Carbon Transport Technology [10 credits]

MEP55B16 = Low Carbon Power Technology [10 credits]

ME5E3 = Innovation in Product Development [15 credits]** - **4MEMS9** is a co-requisite

Semester 1

MEP55B10 = Finite Element Analysis [5 credits]

EEP55C21 = Cyber-Physical Systems and Control [5 credits]

EE5C16 = Deep Learning and its Applications [10 credits]

MEP55E04 Computational Fluid Mechanics [5 credits]

5MEMS3 = ME5MM3/MEU44EM3 Supply Chain Management [5 credits]

5MEMS7 = ME5MM7 Risk Management and Safety Assessment Systems [5 credits]

CE7J04 Energy Policy and Demand [5 credits]

Semester 2

CE7J01 Wind Energy [5 credits]

CE7J06 Wave Energy [5 credits]

MEP55B10 = Turbomachinery [5 credits]

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

MEP55B14 = Engineering Vibrations and Noise [5 credits]

EEP55C23 = Computation for Transport Engineering [5 credits]

EEP55C24 = 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

CS7IS5

CE7E05

EE5C01

EEP55M08

ME5M06

EEP55C22 = Computational Methods MSC only

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/2039 ARTS = JM Synge 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

DOLT0.32 = D'Olier St, Lower Lecture Theatre, School of Nursing

Semester dates:

First semester: Monday, 9th September, 2024 to Friday, 29th November, 2024

Second semester: Monday, 20th January, 2025 to Friday, 11th April 2025

Study/Review Weeks:

First semester: Monday, 21st October 2024 to Friday, 25th October 2024

Second semester: Monday, 3rd March 2025 to Friday, 7th March 2025

Examination dates:

Semester 1 examinations:

Monday, 9th December 2024 to Friday, 13th December 2024*

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

Semester 2 examinations:

Monday, 21st April, 2025 to Friday, 25th April, 2025**

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

Reassessment session:

To be confirmed

* MAI students may choose to be considered for **5E3** Innovation and Product Development. *Places on this module are limited and are offered competitively at the start of the academic year.*

Laboratories:
Always check scheduling information.