

Year 5 MAI MECHANICAL & MANUFACTURING ENGINEERING, 2025/26 - Semester 1

Version: 02/02/2025

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]									
TUESDAY	CE7J04 [CEDR]	EE5C16 [DOLT0.32]		MEP55E04 [CLT]	Industry Talks HAM4		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]			MEP55B16 [CLT]			ME5MM3 [CLT]		
FRIDAY		ME5MM7 [M21]	MEP55B10 [M17]	ME5MM3 [CLT]	ME5MM7 [CLT]		ME5E3/MEU44EM9 Mechanics Laboratories [CLT]			
			EE5C16 [AP2.28]							

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

Module codes:

Mandatory Modules

MEP55E01 = 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]

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]

MEP55M10 = Turbomachinery [5 credits]

MESB03 Advanced Thermal Fluid Sciences [10 credits] - pre-requisites 4B3, 4B4 and 4B13

MEP55B14 = Engineering Vibrations and Noise [5 credits]

ME5MM1/MEU44MM1 Advanced Manufacturing II

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

MEP55M11 = Nanotechnology & Additive Manufacturing [5 credits]

* 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.

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, 15th September, 2025 to Friday, 5th December, 2025

Second semester: Monday, 19th January, 2026 to Friday, 10th April 2026

Study/Review Weeks:

First semester: Monday, 27th October 2025 to Friday, 31st October 2025

Second semester: Monday, 2nd March 2026 to Friday, 6th March 2026

Examination dates:

Semester 1 examinations:

Monday, 15th December 2025 to Monday, 22nd December 2025*

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

Semester 2 examinations:

Monday, 27th April, 2026 to Friday, 1st May, 2025**

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

Reassessment session:

To be confirmed