

MAI MECHANICAL & MANUFACTURING ENGINEERING, 2024/25 - TIMETABLE (Semester 2)

15/01/2025

	9	10	11	12	13	14	15	16	17
Monday				MEP55B14 - CLT	MEP55B16 M20	MEP55B16 M20	MEP55B16 M20	MESMM1 - LB08 CE7J06 - M20 (Wks 3-12)	
Tuesday			ME5B03 1.20 LLOYD	ME5B03 1.20 LLOYD	MEP55B15 CEDR	MEP55B15 CEDR	MEP55B15 - CEDR EES01 - AP2.28	EES01 - AP2.28	EES01 - AP2.28
Wednesday	ME5B03 - CEDR EEP55C24 - AP2.04	ME5B03 - CEDR EEP55C24 - AP2.04		MESMM1 LTEE2		ME5B03 - CLT EEP55C23 - SPSR	EES01 - M17 CE7J06-AP3.19(Wks 1-2)	ME5E3 - AP2.04 EEP55C23 - M21	ME5E3 - AP2.04 EEP55C23 - M21
Thursday	ME5B03 M4	MEP55B14 PBLT	MEP55M10 PBLT	EEP55C24 AP2.04	EES01 AP2.28	MESMM1 PBLT	MEP55M10 PBLT	EEP55C24 DO	EEP55C23 M21
Friday	MEP55B14 - CEDR EES01 - AP2.28	MEP55B14 - CEDR EES01 - AP2.28	CE7J01 CEDR	CE7J06 CEDR	CE7J06 CEDR	MEP55M10 - M21 EEP55C23 - M4	ME5E3 PBLT	ME5E3 - PBLT CE7J01 - CEDR	ME5E3 - PBLT CE7J01 - CEDR

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]

EEP55C25 = Algorithms for Quantum Computing [5 credits]

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

EES01 = Deep Learning and its Applications [10 credits]

MEP55E04 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]

MEP55M10 = Turbomachinery [5 credits]

MESB03 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]

MESMM1/MEU44MM1 Advanced Manufacturing II

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

EES01 = Motion Picture Engineering [10 credits]

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 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

LTEE2=East End, Hamilton Building

Semester dates:

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

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

Study/Review Weeks:

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

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

Examination dates:

Semester 1 examinations:

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

(*contingency days may be required outside of the formal asse

Semester 2 examinations:

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

(**contingency days may be required outside of the form:

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.