



**Swansea University
Prifysgol Abertawe**

FACULTY OF SCIENCE AND ENGINEERING

POSTGRADUATE TAUGHT STUDENT HANDBOOK

MSC (FHEQ LEVEL 7)

MECHANICAL ENGINEERING DEGREE PROGRAMMES

**SUBJECT SPECIFIC
PART TWO OF TWO
MODULE AND COURSE STRUCTURE
2025-26**

DISCLAIMER

The Faculty of Science and Engineering has made all reasonable efforts to ensure that the information contained within this publication is accurate and up-to-date when published but can accept no responsibility for any errors or omissions.

The Faculty of Science and Engineering reserves the right to revise, alter or discontinue degree programmes or modules and to amend regulations and procedures at any time, but every effort will be made to notify interested parties.

It should be noted that not every module listed in this handbook may be available every year, and changes may be made to the details of the modules. You are advised to contact the Faculty of Science and Engineering directly if you require further information.

IMPORTANT

Term Dates

The 25-26 academic year begins on 29 September 2025

Full term dates can be found [here](#)

Academic Integrity

Swansea University and the Faculty of Science of Engineering takes any form of **academic misconduct** very seriously. In order to maintain academic integrity and ensure that the quality of an Award from Swansea University is not diminished, it is important to ensure that all students are judged on their ability. No student should have an unfair advantage over another as a result of academic misconduct - whether this is in the form of **Plagiarism**, **Collusion** or **Commissioning**.

It is important that you are aware of the **guidelines** governing Academic Misconduct within the University/Faculty of Science and Engineering and the possible implications. The Faculty of Science and Engineering will not take intent into consideration and in relation to an allegation of academic misconduct - there can be no defence that the offence was committed unintentionally or accidentally.

Please ensure that you read the University webpages covering the topic – procedural guidance [here](#) and further information [here](#). You should also read the Faculty Part One handbook fully, in particular the pages that concern Academic Misconduct/Academic Integrity.

The difference between compulsory and core modules

Compulsory modules must be **pursued** by a student.

Core modules must not only be **pursued**, but also **passed** before a student can proceed to the next level of study or qualify for an award. Failures in core modules must be redeemed.

Further information can be found under “Modular Terminology” on the following link - <https://myuni.swansea.ac.uk/academic-life/academic-regulations/taught-guidance/essential-info-taught-students/your-programme-explained/>

Key Programme Staff

Mechanical Engineering Programme Director	Mechanical Engineering MSc Coordinator
Dr Will Newton	Dr Alison Williams

MSc (FHEQ Level 7) 2025/26
Mechanical Engineering
MSc Mechanical Engineering

Semester 1 Modules	Semester 2 Modules
EG-M103 Advanced Thermo Fluid Mechanics 10 Credits Prof D Deganello CORE	EG-M190 Socio-Technical Engineering 10 Credits Dr SA Rolland/Dr A Larimi CORE
EG-M97 Advanced Solid Mechanics 10 Credits Dr C Wang CORE	EG-M36 Reliability and Maintenance Engineering 10 Credits Dr AK Bastola CORE
EGTM71 Power Generation Systems 10 Credits Prof I Masters CORE	EG-M37 Additive Manufacturing 10 Credits Prof NPN Lavery CORE
EGTM79 Sustainability and Environmental Assessment 10 Credits Prof GTM Bunting/Mr MH Green CORE	EG-M73 Composite Materials 10 Credits Dr FA Korkees CORE
	EG-M83 Simulation Based Product Design 10 Credits Dr AJ Williams/Dr B Morgan CORE
	EG-M93 Metallurgy and Alloy Design 10 Credits Dr RS Ransing CORE
EG-M336 Sustainable Design 20 Credits Dr WH Newton/Dr PJ Dorrington/Dr W Harrison/Dr B Morgan CORE	
Dissertation	
EG-D03 MSc Dissertation - Mechanical Engineering 60 Credits Dr AJ Williams CORE	
Total 180 Credits	