

Summary Information

Module Code	7300ENR
Formal Module Title	Professional Practice
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Seminar	11
Tutorial	11

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	This module aims to develop critical thinking skills around topics which are essential to the practice of a professional Engineer. These include Ethics, Risk, Security and the importance of Equality, Diversity and Inclusion. The module is framed in terms of personal and professional development and requires participants to develop plans for their future learning.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the responsibilities that professional engineers have for the identification, mitigation and management of risk.
MLO2	2	Demonstrate a clear understanding of different types of security, vulnerabilities and the responsibility that professional engineers have to identify, mitigate and manage both physical and cyber security.
MLO3	3	Critically evaluate the ethical principles which engineers must adhere to when they practice.
MLO4	4	Recognise the engineer's duty to take an inclusive approach to engineering practice and recognise the responsibilities, benefits and importance of supporting equality, diversity and inclusion.
MLO5	5	Critically evaluate their own professional development and demonstrate an ability to reflect on their own development requirements.

Module Content

Outline Syllabus	Professional Ethics: - Honesty and Integrity- Respect for life, law, the environment and public good- Accuracy and rigour- Leadership and communication Risk:- Identification and assessment of hazards and risk.- Managing and reviewing risks.- Legislation and codes. - Communication and dissemination. Security:- Types of security (physical, cyber, information)- Identifying vulnerabilities- Mitigating vulnerabilities- Legislation and codes of practice- Personal and professional responsibilities. Equality, Diversity and Inclusion (EDI):- The importance and benefits of EDI in professional environments and professional practice.- Legal duties- Accessibility Continuing Professional Development (CPD):- The importance of CPD and lifelong learning for Engineers.- Assessing development requirements.- Recording CPD for professional bodies.
Module Overview	
Additional Information	Given the nature of this module, it is possible to make many linkages between the activities of the professional engineer, the importance of sustainable development and the UN sustainable development goals.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Reflection	Professional Development Plan	100	0	MLO1, MLO2, MLO3, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Christian Matthews	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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