

Module Information

2022.01, Approved

Summary Information

Module Code	4327BEUG
Formal Module Title	Professional and Digital Skills for Engineers
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Workshop	44

Module Offering(s)

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

Aims and Outcomes

Aims	1. Introduce software that can be used for professional engineering design and simulation.2. Introduce professional behaviour requirements for engineers3. Introduce academic and digital literacy skills necessary for further study
------	---

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Develop skills and knowledge in the use of professional software for design
MLO2	2	Generate simulation outputs based upon designed buildings/structures
MLO3	3	Apply professional and ethical conduct to design, demonstrating knowledge of the professional codes of conduct.
MLO4	4	Identify and reflect upon the following aspects of self-awareness in respect of personal development and career planning: strengths and weaknesses, motivations and values, ability to work with others.

Module Content

Outline Syllabus	Professional software packages for design, modelling and simulation of building services Coordination of Engineering Services and Construction Features Introduction to Professional bodies, Professional code of conduct and ethics Academic Support (report writing and referencing, research skills)
Module Overview	
Additional Information	Workshops in a PC-Lab

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	PORTFOLIO of software output	90	0	MLO1, MLO2, MLO3, MLO4
Future Focus e-learning task	Report	10	0	MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Muhammad Waseem Ahmad	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------