

Civil Engineering Project

Module Information

2022.01, Approved

Summary Information

Module Code	5306CIV
Formal Module Title	Civil Engineering Project
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	22
Seminar	11
Workshop	11

Module Offering(s)

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

Aims and Outcomes

Aims	Develop skills necessary to deliver a complex, group research project that fits within a sustainable civil engineering context. To enable the student to develop the academic and digital literacy skills necessary to perform effectively in a Higher Education context. Understanding of their professional subject area, and their skills in team work in a collaborative environment using industry standard collaborative CAD and design tools. To develop student's self awareness skills, and their personal development planning through CPD. To develop students understanding of Risk Management, Health and Safety and sustainability.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Work and communicate professionally in a collaborative team environment.
MLO2	2	Apply BIM and UNSDGs to design, demonstrating professional and ethical conduct.
MLO3	3	Plan for their personal, educational and career development.
MLO4	4	Produce sustainability and environmental impact reports.
MLO5	5	Make use of computer simulation within the context of civil engineering, and demonstrate an understanding of the limitations of the simulation.
MLO6	6	Identify the responsibilities, benefits and importance of supporting equality, diversity and inclusion.

Module Content

Outline Syllabus	Design in a collaborative context incorporating biodiversity and nature-based solutions for zero carbon world. Use of BIM. Theory and practice of group working. Risk assessment and risk management including climate adaptation matrix. Sustainability and Environmental impact assessment. Construction programme planning. Academic Literacy, report writing, research skills, referencing, critical thinking. Presentation skills. CPD and PDP, reflective practice, ICE membership requirements.
Module Overview	
Additional Information	The module develops the students' knowledge of management concepts within Civil Engineering through a variety of tasks, mostly working in groups but with elements of individual work. Students will continue to develop their communication skills.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report on Group Design Project	70	0	MLO1, MLO2, MLO4, MLO5, MLO6
Portfolio	CPD Portfolio	30	0	MLO1, MLO3, MLO6

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Maria Ferentinou	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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