

### Summary Information

Module Code	7305DCIV
Formal Module Title	Civil Engineering Professional Practice
Owning School	Civil Engineering and Built Environment
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

### Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

### Learning Methods

Learning Method Type	Hours
Lecture	33
Seminar	22

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

### Aims and Outcomes

Aims	The module will work with students on the development of their professional portfolio, within the context of master's level design and evaluative skills development. Students will develop systems approach to the solution of complex problems, and evaluate sustainability of designs. They will work from this to further development of their Civil Engineering 'attainments'.
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**After completing the module the student should be able to:**

**Learning Outcomes**

Code	Number	Description
MLO1	1	Identify and classify the performance of systems, and apply a systems approach to solving complex problems.
MLO2	2	Monitor and adjust a personal programme of work.
MLO3	3	Analyse the need for a high level of professional and ethical conduct in civil engineering, with the application of professional codes of conduct.
MLO4	4	Critically evaluate the sustainability of a civil engineering project, and design effectively within the constraints of the 'triple bottom line' (social, environmental and economic).
MLO5	5	Generate an innovative design for construction, products, systems, components or processes to fulfil new needs.

**Module Content**

Outline Syllabus	Routes and required attainments for membership of ICE, IStructE, CIHT, IHE, CIWEM Case studies in the creative and innovative development of engineering solutions Case studies in enabling the introduction of new and advancing technology The performance of systems and application of the systems approach to solving complex problems Management of people and projects Safe systems of work and relevant legislation Best practice in Sustainable development
Module Overview	
Additional Information	This module develops students' understanding of professional practice within Civil Engineering, and develops their Engineering attributes. Students will undertake CPD and develop an understanding of its importance. Students will develop as independent learners.

**Assessments**

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report (<2000 Words)	40	0	MLO1, MLO2, MLO3, MLO4
Portfolio	Portfolio	60	0	MLO2, MLO3, MLO4, MLO5

**Module Contacts**

**Module Leader**

Contact Name	Applies to all offerings	Offerings
Yaser Jemaa	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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