

Liverpool John Moores University

Title: CIVIL ENGINEERING PROJECT
Status: Definitive
Code: **5506CVQR** (127377)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Oryx Universal College WLL

Team	Leader
Denise Lee	Y
Ed Saul	

Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 61
Total Learning Hours: 200 **Private Study:** 139

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	22
Seminar	22
Workshop	17

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	REPORT ON GROUP DESIGN PROJECT	50	
Portfolio	AS2	CPD PORTFOLIO	50	

Aims

- 1. To enable the student to develop the academic and digital literacy skills necessary to perform effectively in a Higher Education context*
- 2. To develop students' understanding of their professional subject area, and their skills in team work in a collaborative environment using industry standard*

collaborative CAD and design tools.

3. To develop student's self awareness skills, and their personal development planning through CPD

4. To develop students understanding of Risk Management, Health and Safety and sustainability

Learning Outcomes

After completing the module the student should be able to:

- 1 Work and communicate professionally in a collaborative team environment.
- 2 Apply BIM to design, demonstrating professional and ethical conduct.
- 3 Plan for their personal, educational and career development
- 4 Produce sustainability and environmental impact reports
- 5 Make use of computer simulation within the context of civil engineering, and demonstrate an understanding of the limitations of the simulation

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

REPORT ON GROUP	1	2	4	
DESIGN PROJECT				
CPD PORTFOLIO	1	3	4	5

Outline Syllabus

Design in a collaborative context

Use of BIM

Theory and practice of group working

Risk assessment and risk management

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

Learning Activities

Lectures, workshops, including group work and presentations

Group work is a key theme of the module; the intention being to simulate the experience of the work place and work place activity, endorsed by the involvement of employers and stakeholders as relevant to the workplace generally.

Notes

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.