

Liverpool John Moores University

Title: CONSTRUCTION ENGINEERING PRACTICE
Status: Definitive
Code: **4230BEUG** (125664)
Version Start Date: 01-08-2020

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Civil Engineering and Built Environment

Team	Leader
Fiona Borthwick	Y
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Academic Level: FHEQ4
Credit Value: 20
Total Delivered Hours: 63

Total Learning Hours: 200
Private Study: 137

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	22
Practical	30
Tutorial	11

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Industry Based	60	
Practice	AS2	Surveying Practical	40	

Aims

To provide the students with an understanding of the role of a Construction Engineer both in the workplace and within industry.

Learning Outcomes

After completing the module the student should be able to:

- 1 Carry out surveying tasks using industry standard equipment and technologies.
- 2 Apply aspects of construction engineering practice within an industry based scenario
- 3 Identify the construction engineering function and the role of the key professional bodies within the industry.

Learning Outcomes of Assessments

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

Industry Based Scenario	1	2	3
Surveying Practical	1	2	3

Outline Syllabus

Construction Engineering role and functions
Professional bodies role and function
Levelling principles and calculations
Site considerations including Health and safety
Aspects of industry software

Learning Activities

Lectures, tutorials to support the calculations. Practicals will take place either outside using the surveying equipment or inside in an IT suite where the delivery will be practical based on the IT but in a workshop format.

Notes

This module should introduce the students to role of a Construction Engineer both in the workplace and within Industry including the use of industry standard software and surveying equipment.