

Summary Information

| | |
|----------------------------|---|
| Module Code | 5337BEUG |
| Formal Module Title | Site Construction Management |
| Owning School | Civil Engineering and Built Environment |
| Career | Undergraduate |
| Credits | 20 |
| Academic level | FHEQ Level 5 |
| Grading Schema | 40 |

Module Contacts

Module Leader

| Contact Name | Applies to all offerings | Offerings |
|--------------|--------------------------|-----------|
| Sian Dunne | Yes | N/A |

Module Team Member

| Contact Name | Applies to all offerings | Offerings |
|----------------|--------------------------|-----------|
| Laurence Brady | Yes | N/A |
| Ibijoke Idowu | Yes | N/A |

Partner Module Team

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

Teaching Responsibility

| |
|--|
| LJMU Schools involved in Delivery |
| Civil Engineering and Built Environment |

Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture | 20 |
| Tutorial | 10 |
| Workshop | 20 |

Module Offering(s)

| Offering Code | Location | Start Month | Duration |
|---------------|----------|-------------|----------|
| SEP-CTY | CTY | September | 12 Weeks |

Aims and Outcomes

| | |
|-------------|--|
| Aims | To develop the students construction management knowledge and skills in the construction production process. |
|-------------|--|

Learning Outcomes

After completing the module the student should be able to:

| Code | Description |
|------|--|
| MLO1 | Evaluate the concept of team working and collaboration throughout the project lifecycle including roles and responsibilities at each stage of the process. |
| MLO2 | Examine methods available for planning and organising construction projects using industry standard software. |
| MLO3 | Consider sustainability throughout the construction process, in particular analysing the effect of environmental legislation and management of waste. |
| MLO4 | Evaluate Health & Safety legislation and its impact upon the design and construction phases of a project. |
| MLO5 | Consider how project planning can recognise the significance of commissioning and handover procedures for building services engineering |

Module Content

| Outline Syllabus |
|--|
| Sustainability – Environmental KPI's, Waste, EMS, Sustainable Construction Processes Health & Safety – Hazard identification, RAMS, CDM, RIDDOR Planning – Planning, Logistics, Programme Development, Activity Durations, Sequencing and Logic, Cost Forecasting, Co-ordination of building services engineering within overall programme Team working/Collaboration – Team roles and responsibilities, Communication, Organisation, Conflict, BIM. |

Module Overview

This module develops construction management knowledge and skills in the construction production process, including environmental KPIs, health and safety and hazard identification, planning, logistics, programme development, sequencing and logic, cost forecasting, collaboration, team roles and responsibilities, communication, organisation, conflict and BIM.

Additional Information

The module will equip the students with the knowledge and skills of the construction production process, particularly focusing and managing resources, environmental considerations and health and safety. On the Building Services Engineering Degree Apprenticeship programme, the knowledge learning outcomes are K4, K6, K7, K8, K9, the skills learning outcomes are S4, S5, S7, and the behaviours learning outcomes are B1, B2, B3, B4, B5, B6 and B7.

Assessments

| Assignment Category | Assessment Name | Weight | Exam/Test Length (hours) | Learning Outcome Mapping |
|---------------------|-----------------|--------|--------------------------|------------------------------|
| Report | Scenario Based | 50 | 0 | MLO4, MLO1, MLO3, MLO5, MLO2 |
| Centralised Exam | Exam | 50 | 2 | MLO4, MLO1, MLO3, MLO5 |