

Liverpool John Moores University

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Title: CONSTRUCTION SITE MANAGEMENT
Status: Definitive
Code: **5507BESG** (120565)
Version Start Date: 01-08-2018

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
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Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 74
Total Learning Hours: 240 **Private Study:** 166

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48
Tutorial	12
Workshop	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1		60	2
Report	AS2		10	
Report	AS3		30	

Aims

The aim of the module is to introduce students to the procedures required for the successful planning and management of construction projects from pre-tender stage until completion.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe and analyse the structure of successful construction management organisations and the procedures used for the effective management of risk.
- 2 Evaluate the roles and responsibilities of the construction professionals at pre-tender, pre-contract and contract stages of the project.
- 3 Analyse a construction site and its local environment to produce site layout plans and temporary works details for the various phases of the contract.
- 4 Examine the methods available for project planning including programming construction works, cash flow analysis, and monitoring of progress.
- 5 Determine the duration and sequence of construction activities and hence create a construction programme using industry standard software and associated cash flow diagrams.
- 6 Evaluate the relevant health and safety legislation and the impact of design on safety and safe working practices on site.
- 7 Prepare and appraise work method statements, risk assessments and safety method statements for construction projects.

Learning Outcomes of Assessments

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

EXAMINATION	1	2	4	6	7
REPORT	3				
REPORT	5				

Outline Syllabus

Structure of construction management organisations, personnel, management systems for financial, quality, environmental and h&s risks.

Pre-tender & Pre-contract production planning, site visits, site layouts, traffic & waste mgt planning. Activity durations and sequencing, precedence diagrams, resource planning.

Programming of time, resources, costs, & progress using MS Project & Powerproject software. Project control, review and improvement procedures.

Cashflow forecasting for construction projects.

Health & Safety legislation, particularly CDM regs, principal provisions, the roles of the client, CDMC, designers and contractors; Design risk reviews and risk registers.

Safe systems of work. Work method statements, risk assessments and safety method statements

Learning Activities

Lectures Tutorials and IT workshops.

Notes

This module will give the students a level of understanding and application of construction practices with a focus on construction site management.