

Liverpool John Moores University

Title: CONSTRUCTION SITE MANAGEMENT
Status: Definitive
Code: **5507UGIM** (118726)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: Isle of Man College

Team	Leader
Mohd Nazali Mohd Noor	

Academic Level: FHEQ5 **Credit Value:** 24.00 **Total Delivered Hours:** 74.00
Total Learning Hours: 240 **Private Study:** 166

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48.000
Tutorial	12.000
Workshop	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1		60.0	2.00
Report	AS2		10.0	
Report	AS3		30.0	

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.

References

Course Material	Book
Author	Cooke, B. & Williams, P
Publishing Year	2009
Title	'Construction Planning, Programming and Control'
Subtitle	
Edition	3rd
Publisher	Blackwell
ISBN	9781405183802

Course Material	Book
Author	Ashworth, A
Publishing Year	2005
Title	Contractual Procedures in the Construction Industry
Subtitle	
Edition	5th
Publisher	Pearson
ISBN	9780131298279

Course Material	Book
Author	Oxley, R. & Poskitt, J
Publishing Year	1996
Title	'Management Techniques Applied to the Construction Industry'
Subtitle	
Edition	
Publisher	Blackwell
ISBN	

Course Material	Book
Author	HSE
Publishing Year	2007
Title	HSE (2007) Managing health and safety in construction
Subtitle	
Edition	
Publisher	HSE BOOKS
ISBN	9780717662234

Course Material	Book
Author	Construction Skills
Publishing Year	2010
Title	Construction Skills (2010) 'Construction Site Safety - Health Safety & Environmental information'
Subtitle	
Edition	

Publisher	
ISBN	9781857513165

Course Material	Book
Author	Joyce R
Publishing Year	2007
Title	'The CDM Regulations Explained'
Subtitle	
Edition	
Publisher	RICS
ISBN	9780727734969

Course Material	Book
Author	Hughes,P,Ferrett, E
Publishing Year	2005
Title	Introduction to health and safety in construction
Subtitle	
Edition	
Publisher	
ISBN	9780750681117

Notes

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