

Liverpool John Moores University

Title: CONSTRUCTION PROJECT MANAGEMENT

Status: Definitive

Code: **5611BESG** (125040)

Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment

Teaching School/Faculty: Trent Global College of Technology and Management

Team	Leader
Amr Sourani	Y

Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 52

Total Learning Hours: 200 **Private Study:** 148

Delivery Options

Course typically offered: S1, S2 and NS2 (S2 for Jan)

Component	Contact Hours
Lecture	20
Workshop	30

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	CASE STUDY REPORT	50	
Exam	AS2	EXAMINATION	50	2

Aims

To introduce students to concepts, procedures and techniques used in the planning and control of construction projects.

Learning Outcomes

After completing the module the student should be able to:

- 1 Apply the principles of site planning to a construction project.
- 2 Apply planning and programming techniques to construction projects.
- 3 Apply project control techniques to construction projects.
- 4 Use appropriate construction project management relevant software.

Learning Outcomes of Assessments

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

CASE STUDY REPORT	1	4
EXAMINATION	2	3

Outline Syllabus

Pre-tender planning, pre-contract planning and contract planning
Site layout planning and risk assessments
Key Performance Indicators
Time planning and programming: Network Analysis and Precedence Diagrams
Contract budgets and cash flow
Quality management
Project control techniques: S curve, Earned Value Analysis and Cost Value Reconciliation
Application of appropriate construction project management software.

Learning Activities

Lectures and workshops.

Notes

This module develops students' knowledge in relation to basic principles and techniques used in project planning and control.