

## Liverpool John Moores University

Title: CONSTRUCTION PROJECT MANAGEMENT  
Status: Definitive  
Code: **5211BEUG** (122644)  
Version Start Date: 01-08-2021

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

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: Semester 2

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.