

Liverpool John Moores University

Title: CONSTRUCTION MANAGEMENT PROJECT
Status: Definitive
Code: **5106BEUG** (118113)
Version Start Date: 01-08-2019

Owning School/Faculty: Civil Engineering
Teaching School/Faculty: Civil Engineering

Team	Leader
Cui Zhou	Y

Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 77
Total Learning Hours: 240 **Private Study:** 163

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	36
Off Site	5
Workshop	36

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Presentation	25	
Portfolio	AS2	Portfolio	60	
Portfolio	AS3	E-Portfolio	15	

Aims

To introduce students to the procedures required for the successful management of construction projects from pre-tender stage until completion.

To introduce students to the procedures required

To develop self-learning through personal development planning.

To improve on team working skills developed in students' previous studies.

To further introduce students to a wide range of JMU+ skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse and solve problems
- 2 Produce a site layout plan for a medium sized construction project.
- 3 Prepare Health & Safety documentation for construction projects.
- 4 Use computer software to produce construction programmes and cashflow diagrams
- 5 Work professionally in a team environment.
- 6 Communicate orally in a professional manner.
- 7 Communicate effectively and professionally through the written word.
- 8 Reflect on knowledge and skill development to date, record this information and develop plans for further developments in transferable skills.

Learning Outcomes of Assessments

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

PRESENTATION	1	6			
PORTFOLIO	2	3	4	5	7
E PORTFOLIO	8				

Outline Syllabus

Pre-tender and Pre-contract planning including site layout planning.

Method statements and sequencing studies.

Health & Safety method statements and risk assessments.

Production and analysis of precedence diagrams.

Production of bar charts using contract programming computer software.

Short term programming and monitoring of work progress.

Use of the construction programme as a control mechanism for labour, materials, plant and subcontractors.

Cashflow forecasting for construction projects.

Manpower planning issues in construction.

Learning Activities

Lectures. Guest lectures by industry based practitioners. Site visits. Group work. IT workshops. Completion of CSCS cards.

Transferable skills will be developed during the undertaking of the project and progress mapped.

Notes

The module provides students with the knowledge and skills related to the management of construction projects.

It has also been developed to encapsulate the spirit of LJMU+ and PDP.

A high level of industrial input will be utilized in the development of the project and guest lecturers wherever possible.

PDP will be encapsulated within this module as transferable skill development alongside subject specific skills will be developed.