

Summary Information

Module Code	5304BEUG
Formal Module Title	Project Planning and Control
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	17
Workshop	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To introduce and implement concepts, procedures and techniques used in the planning and control of commercial aspects of construction projects
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Apply planning and programming concepts and techniques to construction projects
MLO2	2	Calculate critical path of construction works, and allocate resources accordingly
MLO3	3	Calculate cash flow projections for a given construction project scenario.
MLO4	4	Apply project control techniques such as earned value analysis

Module Content

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

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Case Study Report	50	0	MLO1, MLO2
Centralised Exam	Examination	50	2	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Amr Sourani	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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