

Production Management and BIM

Module Information

2022.01, Approved

Summary Information

Module Code	7435BEPG
Formal Module Title	Production Management and BIM
Owning School	Civil Engineering and Built Environment
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

Learning Methods

Learning Method Type	Hours
Lecture	11
Workshop	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	This module will provide an in-depth understanding into the production management of modern, complex and fast paced construction projects. This module will also provide an appropriate awareness and expertise about key aspects of Building Information Modelling (BIM) within the Construction Management role.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically evaluate the context, factors and issues that affect the production planning and management of a construction project.
MLO2	2	Plan, organise and manage more efficiently the construction process using industry standard software and effective coordination of information modelling using BIM
MLO3	3	Examine how quality, workmanship and waste are controlled and an effective communication is maintained on the construction site through BIM
MLO4	4	Evaluate the principal features of health and safety legislation, including the CDM regulations and the impact on the production planning in construction
MLO5	5	Critically analyse the role of the project manager within the production process and working in collaboration with other roles within the project.

Module Content

Outline Syllabus	Principles and application of effective construction site management: Effective production planning, communication and control using IT tools: Building Information Modelling (BIM) development and implementation in production planning Health and safety legislation and implementation Quality Management and Quality Control issues People management skills
Module Overview	This module provides you with an in-depth understanding of the production management of modern, complex and fast-paced construction projects. It also covers key aspects of Building Information Modelling (BIM) within construction management roles.
Additional Information	This module will provide an in-depth understanding into the production management of modern, complex and fast paced construction projects and the role and application of BIM.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Industry based scenario report	50	0	MLO2, MLO3
Centralised Exam	Closed book exam	50	3	MLO1, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Raj Shah	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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