

Summary Information

Module Code	7535ICBTPM
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

Module Contacts

Module Leader

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

Module Team Member

Contact Name	Applies to all offerings	Offerings
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Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	22
Workshop	11

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-PAR	PAR	January	12 Weeks
SEP_NS-PAR	PAR	September (Non-standard start date)	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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Learning Outcomes

After completing the module the student should be able to:

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

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)	Learning Outcome Mapping
Practice	Industry based scenario report	50	0	MLO2, MLO3
Exam	Closed book exam	50	3	MLO1, MLO4, MLO5