

### Summary Information

Module Code	6330BEUG
Formal Module Title	Design Management and BIM
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Civil Engineering and Built Environment

### Learning Methods

Learning Method Type	Hours
Workshop	33

### Module Offering(s)

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

### Aims and Outcomes

Aims	To enable students to understand, appraise and analyse the complexities of designing and refurbishing buildings by exploring a project's objectives and aspirations from the client's perspective. To gain a strategic appreciation of how to manage files and documents within the construction and Common Data Environment Setting (BIM360).
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**After completing the module the student should be able to:**

## Learning Outcomes

Code	Number	Description
MLO1	1	Critically review methods, theories and techniques of design management, in the context of building design and refurbishment
MLO2	2	Critically evaluate the strategic direction of clients in order to develop and propose innovative and creative design proposals and projects
MLO3	3	Utilise and apply industry standard software including BIM technologies in order to optimise the design process

## Module Content

Outline Syllabus	Emergence and application of BIM BIM protocols and standards for construction projects Common Data Environment File and document management Collaboration on the design process using BIM 360 Building design and refurbishment from a value management perspective Corporate strategy Green Building Studio and energy analysis
Module Overview	
Additional Information	This module allows students to gain a strategic appreciation of how to manage files and documents within the construction and Common Data Environment Setting (BIM360).

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Application of BIM	100	0	MLO1, MLO2, MLO3

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Michael Farragher	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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