

## Collaborative BIM Project

### Module Information

2022.01, Approved

#### Summary Information

Module Code	7313BEPG
Formal Module Title	Collaborative BIM Project
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	6
Seminar	27

#### Module Offering(s)

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

#### Aims and Outcomes

Aims	To allow students to follow BIM protocols and practice in a collaborative multidisciplinary project team to achieve project success.
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**After completing the module the student should be able to:**

## Learning Outcomes

Code	Number	Description
MLO1	1	Critically apply, interpret and manipulate the processes and standards applicable to the management of information about an asset throughout its lifespan.
MLO2	2	Critically evaluate and relate the engagement of the stakeholders at each stage of the project lifecycle.
MLO3	3	Critically analyse the interaction of process, people and technology in relation to integrated design, design collaboration, lean design and construction, production, project management, integrated project delivery, Lifecycle management and assessment, Environmental management and assets in a BIM environment.
MLO4	4	Critically apply, interpret and manipulate the application of BIM technologies in one or more of the following: geo-spatial, design, cost, time and facilities management environments.
MLO5	5	Exercise initiative and personal responsibility as a team member or leader, demonstrating an understanding of the different roles within a team of Built Environment professionals.

## Module Content

Outline Syllabus	Collaborative multidisciplinary working practices. Skills development. Negotiation. BIM strategies; Employers Information Requirements (EIR), Building Information Modelling Information Plan (BEP), Digital Plan of Works (DPOWs), Data sharing, Technological issues relating to interoperability. Application of BIM technologies specific to construction disciplines. Implementation of change management process within the BIM environment. Major International, EU and National legislation relating to the environment. Environmental Management Systems and audits/ EIA and SEA
Module Overview	
Additional Information	The module develops students' practical and team skills within the context of collaborative working on an industry project.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Portfolio	100	0	MLO1, MLO2, MLO3, MLO4, MLO5

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Denise Lee	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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