

**Summary Information**

<b>Module Code</b>	7502ICBTPM
<b>Formal Module Title</b>	Collaborative BIM Project
<b>Owning School</b>	Civil Engineering and Built Environment
<b>Career</b>	Postgraduate Taught
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 7
<b>Grading Schema</b>	50

**Module Contacts****Module Leader**

<b>Contact Name</b>	<b>Applies to all offerings</b>	<b>Offerings</b>
Ali Rostami	Yes	N/A

**Module Team Member**

<b>Contact Name</b>	<b>Applies to all offerings</b>	<b>Offerings</b>
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**Partner Module Team**

<b>Contact Name</b>	<b>Applies to all offerings</b>	<b>Offerings</b>
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**Teaching Responsibility**

<b>LJMU Schools involved in Delivery</b>
LJMU Partner Taught

## Partner Teaching Institution

Institution Name
International College of Business and Technology

## Learning Methods

Learning Method Type	Hours
Lecture	6
Workshop	27

## Module Offering(s)

Offering Code	Location	Start Month	Duration
APR-PAR	PAR	April	12 Weeks
JAN_NS-PAR	PAR	January (Non-standard start date)	12 Weeks

## Aims and Outcomes

<b>Aims</b>	To allow students to follow BIM protocols and practice in a collaborative multidisciplinary project team to achieve project success.
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## Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Critically apply, interpret and manipulate the processes and standards applicable to the management of information about an asset throughout its lifespan.
MLO2	Critically evaluate and relate the engagement of the stakeholders at each stage of the project lifecycle.
MLO3	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, facilities management and assets in a BIM environment.
MLO4	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	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.

## 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)	Learning Outcome Mapping
Report	Industry case study based	100	0	MLO4, MLO1, MLO3, MLO2, MLO5