Liverpool John Moores University

Title: INTEGRATED BIM IN PRACTICE
Status: Definitive
Code: **7317BEPG**   (120992)
Version Start Date: 01-08-2015

Owning School/Faculty: Built Environment
Teaching School/Faculty: Built Environment

Team	Leader
Sian Dunne	Y

Academic Level:	FHEQ7	**Credit Value:**	10.00	**Total Delivered Hours:**	16.00
Total Learning Hours:	100	**Private Study:**	84		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Lecture	8.000
Workshop	8.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	INDUSTRY CASE STUDY SCENARIO	100.0	

Aims

To allow students to develop strategic plans for incorporating BIM in practice, by identifying the business benefits and challenges which surround the application of BIM across multiple disciplines in the construction industry.

Learning Outcomes

After completing the module the student should be able to:

1   Appraise the issues associated with collaborative BIM.
2   Evaluate the roles of professionals within multidisciplinary teams.
3   Critically consider the interface challenges surrounding the use of BIM.
4   Evaluate the BIM management solutions for resolving identified problems through the process.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

CASE STUDY   1   2   3   4

Outline Syllabus

The module will provide an overview of the use of BIM in industry using real world project case studies, drawing on the knowledge of industry experts across various disciplines including Architectural Technologists, Building Services Engineers, Civil Engineers, Construction Managers, Facilities Managers and Quantity Surveyors. This will include:
Examples of BIM execution planning, BIM uptake, benefits to early BIM adoption, barriers to implementation, future considerations for BIM in industry.

Learning Activities

Fortnightly case study lectures delivered by industry experts, followed by fortnightly reflective workshops to discuss the pertinent aspects of the guest lecture in the previous week.

Notes

The module is designed to give students an overview of BIM execution within industry at present. The module will be delivered through a series of lectures from experts in the field across various disciplines working on BIM projects followed by reflective discussions/workshops.
This will give students an understanding of the challenges of implementing BIM in practice using real world examples.