BIM Enabled Financial Management

Module Information

2022.01, Approved

Summary Information

Module Code	7453BEPG
Formal Module Title	BIM Enabled Financial Management
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	11
Workshop	22

Module Offering(s)

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

Aims and Outcomes

Aims	The aim of the module is to introduce financial management techniques used in construction in order to manage the lifecycle cost of built environment facilities. The module will also deliver the fundamental concepts that link financial management and BIM, such as the cash flow forecasts, cost plans, cost value reconciliation and whole life cycle management of construction facilities.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically review systems theories and techniques to identify how they can be applied to project financial management and assess systems for resource productivity management.
MLO2	2	Evaluate the approaches adopted by client representatives to design cost management during a project's lifespan.
MLO3	3	Critically appraise methods of reconciliation of cost, value and programme to provide project accounting information for the contractor.
MLO4	4	Apply and evaluate the use of BIM and appropriate software packages, cost databases in relation to project financial management.

Module Content

Outline Syllabus	This module develops an understanding of both pre and post contract cost management practices of construction projects. The module will introduce essential financial management techniques used in built environment facilities; i.e. cash flow forecasting, cost, value and risk management, cost reporting, and cost value reconciliations. This module is designed to develop necessary understanding of the use of BIM-enabled financial management techniques for built environment facilities. Students will be introduced to various BIM software and develop a comprehensive understanding of those software application in managing finance for real life construction projects.
Module Overview	
Additional Information	This module develops student's ability to apply financial management techniques to construction projects from both a client and contractor perspective in addition to developing IT skills specific to BIM.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	Group Presentation	50	0	MLO1, MLO2, MLO3
Centralised Exam	Examination	50	3	MLO1, MLO2, MLO3, MLO4

Module Contacts