

Summary Information

Module Code	7534ICBTQS
Formal Module Title	Financial Management and BIM
Owning School	Civil Engineering and Built Environment
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Rajakaruna Manewa	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Andrew Ross	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	11
Workshop	22

Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-PAR	PAR	January	12 Weeks
SEP_NS-PAR	PAR	September (Non-standard start date)	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.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	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	Evaluate the approaches adopted by client representatives to design cost management during a project's lifespan.
MLO3	Critically appraise methods of reconciliation of cost, value and programme to provide project accounting information for the contractor.
MLO4	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)	Learning Outcome Mapping
Report	Report	50	0	MLO1, MLO3, MLO2
Exam	Examination	50	3	MLO1, MLO4, MLO3, MLO2