

Liverpool John Moores University

Title: PROJECT ECONOMICS AND MANAGEMENT
Status: Definitive
Code: **6210BEUG** (122648)
Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment
Teaching School/Faculty: Civil Engineering and Built Environment

Team	Leader
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Academic Level: FHEQ6
Credit Value: 20
Total Delivered Hours: 32
Total Learning Hours: 200
Private Study: 168

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	10
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	REPORT	50	
Exam	AS2	EXAMINATION 3 OF 5 QUESTIONS	50	2

Aims

The aim of the module is to introduce project economics and management techniques used in client based pre-contract design management systems and contractor based post contract cost management systems in construction.

Learning Outcomes

After completing the module the student should be able to:

- 1 Develop knowledge and understanding of the impact of economic factors on the management of construction organisations.
- 2 Critically review systems theories and techniques and identify how they can apply to the analysis of a broad range of construction management problems.
- 3 Evaluate the approaches adopted by client representatives to design cost management during project lifespan.
- 4 Critically appraise methods adopted by contractors in project financial control.
- 5 Explain the latest developments in research, in the fields of construction economics and management.
- 6 Evaluate the use of IT and appropriate software packages in relation to project economics and management.

Learning Outcomes of Assessments

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

REPORT	1	2	3	4	5	6
EXAMINATION	1	2	3	4	5	

Outline Syllabus

- *Commercial and economic context within which construction projects are delivered*
- *Systems theory and practice, formation of construction organisations and stakeholder management.*
- *Client based whole life value management in construction projects.*
- *Pre contract risk management in mega projects.*
- *Accounting policies as applied to project based organisations.*
- *Post contract cost reporting.*
- *Integrating project information systems with building information management.*

Learning Activities

- Lectures and tutorial workshops, supported where possible with site visits, guest lectures, videos and webinar.
- Students should supplement their lecture notes with background reading; journals, digests, trade literature and also use the material that is available through electronic databases and manufacturers.
- Formative assessment with ongoing feedback throughout the module.

Notes

This module develops student's ability to develop strategies for construction project economics and financial management.