

## Liverpool John Moores University

Title: PROJECT ECONOMICS AND MANAGEMENT

Status: Definitive

Code: **6610BESG** (125050)

Version Start Date: 01-08-2021

Owning School/Faculty: Civil Engineering and Built Environment

Teaching School/Faculty: Trent Global College of Technology and Management

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<b>Academic Level:</b>	FHEQ6	<b>Credit Value:</b>	20	<b>Total Delivered Hours:</b>	32
<b>Total Learning Hours:</b>	200	<b>Private Study:</b>	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.