

Summary Information

Module Code	7431BEPG
Formal Module Title	Sustainable Procurement
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
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To examine existing procurement options and their effectiveness in meeting the client's requirements. To examine sustainable construction and the development of procurement strategies which address sustainable construction principles.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Analyse procurement options for building and engineering works and examine the allocation of risk within these options
MLO2	2	Critically evaluate potential procurement options for given business and project objectives.
MLO3	3	Analyse the construction supply chain and evaluate the roles of the parties and their contractual relationships under traditional and non-traditional variants, during the procurement process.
MLO4	4	Critically review the concepts and the applications of sustainable development and sustainable construction and their integration within the procurement process
MLO5	5	Critically review and analyse the barriers, the enablers and the drivers of sustainable procurement

Module Content

Outline Syllabus	Traditional Procurement, Design and Build, Management Contracting, PFI, Prime Contracting, Partnering and Framework Agreements; UK new government models of construction procurement including cost led procurement, integrated project insurance and two stage open book; contract types including lump sum, unit rate, target cost and cost reimbursable contracts; EU Procurement Directives; tendering procurement decision making. Supply chain management; risk management and allocation of design, construction, finance risks between the client and the contractor within the different procurement options; stakeholders analysis; value management; quality management. Definitions and applications of sustainability; sustainable construction, social, economic and environmental dimensions of sustainable construction/sustainable procurement; integration of sustainable construction within procurement strategies; enablers and barriers of sustainable construction procurement
Module Overview	<p>This module develops your ability to advise construction clients and contractors regarding procurement and sustainability issues at organisation and project levels. It aims to:</p> <p>examine existing procurement options and their ability to meet client requirements</p> <p>examine sustainable construction and the development of procurement strategies addressing sustainable construction principles</p>
Additional Information	The module develops the students' ability to provide advice for construction clients and contractors in relation to both procurement and sustainability issues at the organisation and the project levels.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	WRITTEN ASSIGNMENT	50	0	MLO4, MLO5
Centralised Exam	Examination	50	3	MLO1, MLO2, MLO3, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Amr Sourani	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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