

## Liverpool John Moores University

Title: PRODUCTION MANAGEMENT AND CONTRACT  
PROCUREMENT  
Status: Definitive  
Code: **5108BEHN** (118157)  
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment  
Teaching School/Faculty: Built Environment

Team	Leader
John McLoughlin	Y
Larry Wilkinson	
Amr Sourani	

**Academic Level:** FHEQ5      **Credit Value:** 24.00      **Total Delivered Hours:** 74.00  
**Total Learning Hours:** 240      **Private Study:** 166

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48.000
Tutorial	12.000
Workshop	12.000

**Grading Basis:** BTEC

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1		60.0	2.00
Report	AS3		10.0	
Portfolio	AS2		30.0	

### Aims

*To provide an appropriate awareness and understanding of key aspects of the procurement, planning, organisation and management processes relating to construction projects.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the culture and methodologies of the construction industry particularly in the context of the contractual relationships and the civil and statutory duties and obligations of the parties to a project.
- 2 Describe & contrast the potential procurement solutions, tendering arrangements and associated documentation suitable for particular projects.
- 3 Describe & examine the principal features of project planning including the methods available for programming construction works, cash flow analysis, and monitoring of progress.
- 4 Determine the duration and sequence of construction activities and hence create a construction programme using industry standard software and associated cash flow diagrams.
- 5 Examine how quality, workmanship and waste are controlled and effective communication is maintained on site.
- 6 Describe the principal features of health and safety legislation, including CDM regulations and discuss its impact on the management of projects.

## Learning Outcomes of Assessments

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

Open book exam	1	3	5	6
Report	2			
Portfolio	4			

## Outline Syllabus

*Project definition: Client types; clients' requirements; briefing: time, cost, quality and functional objectives; external influences: environmental issues.*

*Procurement arrangement options and documentation: Contractual arrangements.*

*Approaches to obtaining tenders. Procurement route selection: Simple selection procedures.*

*Project planning procedures; Introduction to project management software; Pre-tender, pre-contract, contract and short term planning; Construction methods and sequences; Precedence diagrams; Work packages and resource planning; Project tracking and controlling progress; Contract budgets; Cost and value; Capital lock-up and cash flow; Communications and documentation; Quality control and waste management.*

*Health & Safety legislation, particularly CDM regs, principal provisions. Safe systems of work.*

## Learning Activities

Lectures, Tutorials and IT workshops.

## References

<b>Course Material</b>	Book
<b>Author</b>	Cooke, B. & Williams, P.
<b>Publishing Year</b>	2009
<b>Title</b>	Construction Planning, Programming and Control
<b>Subtitle</b>	
<b>Edition</b>	3rd edition
<b>Publisher</b>	Blackwell
<b>ISBN</b>	9781405183802

<b>Course Material</b>	Book
<b>Author</b>	Ashworth, A
<b>Publishing Year</b>	2005
<b>Title</b>	Contractual Procedures in the Construction Industry
<b>Subtitle</b>	
<b>Edition</b>	5th edition
<b>Publisher</b>	Pearson
<b>ISBN</b>	9780131298279

<b>Course Material</b>	Book
<b>Author</b>	Oxley, R. & Poskitt, J.
<b>Publishing Year</b>	1996
<b>Title</b>	Management Techniques Applied to the Construction Industry
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Blackwell
<b>ISBN</b>	

<b>Course Material</b>	Book
<b>Author</b>	HSE BOOKS
<b>Publishing Year</b>	2007
<b>Title</b>	Managing health and safety in construction
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	HSE BOOKS
<b>ISBN</b>	9780717662234

<b>Course Material</b>	Book
<b>Author</b>	CS
<b>Publishing Year</b>	2010
<b>Title</b>	Construction Site Safety - Health Safety & Environmental

	information
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	CS
<b>ISBN</b>	9781857513165

<b>Course Material</b>	Book
<b>Author</b>	Joyce R
<b>Publishing Year</b>	2007
<b>Title</b>	The CDM Regulations Explained
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	RICS
<b>ISBN</b>	9780727734969

<b>Course Material</b>	Book
<b>Author</b>	Hughes,P,Ferrett, E
<b>Publishing Year</b>	2005
<b>Title</b>	Introduction to health and safety in construction
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	
<b>ISBN</b>	9780750681117

<b>Course Material</b>	Book
<b>Author</b>	Franks, J.
<b>Publishing Year</b>	1998
<b>Title</b>	Building Procurement Systems: a client's guide
<b>Subtitle</b>	
<b>Edition</b>	3rd edition
<b>Publisher</b>	Longman
<b>ISBN</b>	0582319269

<b>Course Material</b>	Book
<b>Author</b>	Turner, A.
<b>Publishing Year</b>	1997
<b>Title</b>	Building Procurement
<b>Subtitle</b>	
<b>Edition</b>	2nd edition
<b>Publisher</b>	Macmillan
<b>ISBN</b>	0333688090

<b>Course Material</b>	Book
<b>Author</b>	Seeley, I.H.
<b>Publishing Year</b>	1997
<b>Title</b>	Quantity Surveying Practice
<b>Subtitle</b>	

<b>Edition</b>	2nd edition
<b>Publisher</b>	Macmillan
<b>ISBN</b>	0333689070

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