

Liverpool John Moores University

Title: PRODUCTION MANAGEMENT
Status: Definitive
Code: **5006BEHN** (102306)
Version Start Date: 01-08-2011

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

Team	Leader
John McLoughlin	Y

Academic Level: FHEQ5
Credit Value: 12.00
Total Delivered Hours: 36.00
Total Learning Hours: 120
Private Study: 84

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	24.000
Tutorial	12.000

Grading Basis: BTEC

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	group project based on simulated construction problem	50.0	
Test	AS2	in class open book assessment	50.0	

Aims

To provide an appropriate awareness and understanding of key aspects of the planning, organisation and management of construction projects with particular emphasis on time, cost and resources.

To convey the principles and application of common programming techniques and the use and application of project management software as they apply to the management of financial and physical resources in construction work.

Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the culture and methodologies of the construction industry generally and the construction firm in particular particularly in the context of the contractual relationships and the civil and statutory duties and obligations of the parties to a project.
- 2 Describe the planning process and apply relevant programming techniques to construction projects.
- 3 Prepare a contract budget, programme, method statement and health and safety plan.
- 4 Forecast and measure project performance in terms of time, cost, value and profit.
- 5 Apply project management software to construction projects.
- 6 Discuss the importance of project information and how this is communicated to relevant parties.
- 7 Explain how quality, workmanship and waste are controlled on site.

Learning Outcomes of Assessments

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

CW	2	3	4	5		
CW	1	2	5	6	7	

Outline Syllabus

Management principles applied to the construction process; Project planning procedures; Introduction to project management software; Pre-tender, pre-contract, contract and short term planning; Construction methods and sequences; Work and safety method statements; Network Analysis; 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 practice.

Learning Activities

Lectures and tutorials will be structured to provide the student with the key skills necessary in order to undertake practical tasks related to construction project management.

References

Course Material	Book
Author	Ashworth, A.

Publishing Year	1996
Title	Contractual Procedures in the Construction Industry
Subtitle	
Edition	
Publisher	Addison, Wesley and Longman
ISBN	

Course Material	Book
Author	Cooke, B. & Williams, P.
Publishing Year	2004
Title	Construction Planning, Programming and Control
Subtitle	
Edition	2nd Edition
Publisher	Blackwell
ISBN	

Course Material	Book
Author	Fryer, B.
Publishing Year	1997
Title	The Practice of Construction Management
Subtitle	
Edition	
Publisher	Blackwell
ISBN	

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

Course Material	Book
Author	Harris, F. & McCaffer, R.
Publishing Year	2001
Title	Modern Construction Management
Subtitle	
Edition	5th Edition
Publisher	Blackwell Science
ISBN	

Notes

The module provides an opportunity to acquire competence in applying key principles of project management to the construction process and tests this using a case study approach.