

Liverpool John Moores University

Title: ADVANCED CONSTRUCTION SITE MANAGEMENT
Status: Definitive
Code: **6504BEUG** (116694)
Version Start Date: 01-08-2011

Owning School/Faculty: Built Environment
Teaching School/Faculty: South Cheshire College

Team	Leader
Lynne Bell	Y

Academic Level: FHEQ6
Credit Value: 24.00
Total Delivered Hours: 75.00
Total Learning Hours: 240
Private Study: 165

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	48.000
Tutorial	24.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS2	Examination - Choice of questions Closed book	50.0	3.00
Report	AS1	Report - based on an industry case study - 3000 words or equivalent	50.0	

Aims

To reinforce and develop the students construction management knowledge and skills specifically in the construction production process.

Learning Outcomes

After completing the module the student should be able to:

- 1 Apply management theory and practice to the modern construction production process.
- 2 Devise and evaluate quality management systems.
- 3 Evaluate the legal, business and moral aspects of health and safety management.
- 4 Critically appraise the need for financial budgets, cash flow forecasts and cost /value management strategies for the production process.
- 5 Assess the resource implications for time/cost optimization and project acceleration using current industry standard software.
- 6 Assess the effectiveness of supply chain relationships in modern day construction.
- 7 Evaluate the risks that occur throughout the construction process.

Learning Outcomes of Assessments

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

EXAM	1	2	4	7
REPORT	3	5	6	

Outline Syllabus

Health and safety management

Total quality management

Programming, resource implications, time cost applications and project acceleration

Financial planning, budgets, cost, value reconciliation and the importance of cash flow

Supply chain management

Human Resources Management relevant to construction

Risk Management from bid selection to the end of defects liability.

Forms of contract, extensions of time and project acceleration

Waste management

Learning Activities

Lectures, tutorials, seminars, guest lectures, computer workshops and case studies.

References

Course Material	Book
Author	Latham, M.
Publishing Year	2004
Title	The Latham Report:
Subtitle	Constructing the Team

Edition	
Publisher	HMSO
ISBN	011752994X

Course Material	Book
Author	Egan, J.
Publishing Year	1008
Title	The Egan Report
Subtitle	Rethinking Construction'
Edition	
Publisher	DETR
ISBN	1851120947.

Course Material	Book
Author	Harris, F. & McCaffer, R.
Publishing Year	2006
Title	Modern Construction Management'
Subtitle	
Edition	6th Edition
Publisher	Blackwell
ISBN	9781405133258

Course Material	Book
Author	Cooke, B. & Williams, P.
Publishing Year	2009
Title	Construction planning, programming and contro
Subtitle	
Edition	3rd Edition
Publisher	Wiley-Blackwell.
ISBN	1405183802.

Course Material	Book
Author	Fryer, B.
Publishing Year	2004
Title	'The Practice of Construction Management
Subtitle	
Edition	4th Edition.
Publisher	Blackwell.
ISBN	405111000.

Course Material	Book
Author	Walker, A.
Publishing Year	2007
Title	Project Management in Construction
Subtitle	
Edition	5th Edition.
Publisher	Blackwell.

ISBN	
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Course Material	Book
Author	McGeorge, D. & Palmer, A.
Publishing Year	0
Title	Construction Management-new directions
Subtitle	
Edition	2nd Edition.
Publisher	Blackwell.
ISBN	0632060425.

Course Material	Book
Author	Womack, J. and Jones, D.
Publishing Year	2003
Title	Lean Thinking.
Subtitle	
Edition	
Publisher	Simon and Schuster.
ISBN	139780743231640

Course Material	Book
Author	OGC
Publishing Year	2005
Title	Successful Delivery Toolkit
Subtitle	Risk and Value Management.
Edition	
Publisher	
ISBN	HMSO.

Course Material	Book
Author	HSE
Publishing Year	2007
Title	Managing Health and Safety in Construction.
Subtitle	
Edition	
Publisher	HSE Books.
ISBN	9780717662234.

Course Material	Book
Author	P. and Ferret, E.
Publishing Year	2008
Title	Introduction to Health and Safety in Construction
Subtitle	
Edition	3rd Edition.
Publisher	Butterworth-Heinemann.
ISBN	9780750681117.

Notes

This module is designed to equip the student with the requisite knowledge and skills to manage the modern construction production process.