

Liverpool John Moores University

Title: CONSTRUCTION SITE MANAGEMENT
Status: Definitive
Code: **6153UG** (102680)
Version Start Date: 01-08-2011

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

Team	Leader
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Academic Level: FHEQ6 **Credit Value:** 12.00 **Total Delivered Hours:** 24.00
Total Learning Hours: 120 **Private Study:** 96

Delivery Options

Course typically offered: Summer

Component	Contact Hours
Lecture	12.000
Tutorial	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Project based on an industry case study - 5000 words or equivalent	100.0	

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 Analyse construction health and safety risks and devise safe systems of work.
- 4 Develop financial plans, budgets and cost control/value management strategies for the production process.
- 5 Assess the resource implications for time/cost optimisation and project acceleration using industry standard software.
- 6 Evaluate alternative methods of human resources management that can be used in the construction production process..

Learning Outcomes of Assessments

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

PORTFOLIO 1 2 3 4 5 6

Outline Syllabus

Health and safety management

Total quality management

Programming, resource implications, time cost applications and project acceleration

Resource management including human resources

Financial planning, budgets, cost, value, cash flow, capital lock up, profit

Supply chain management

Human Resources Management relevant to construction

Risk Management

Learning Activities

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

References

Course Material	Book
Author	Pilcher, R.
Publishing Year	1992
Title	Principles of Construction Management
Subtitle	
Edition	3rd edition
Publisher	McGraw Hill
ISBN	0077072367

Course Material	Book
Author	Latham, M.

Publishing Year	1994
Title	The Latham Report :Constructing the Team
Subtitle	
Edition	
Publisher	HMSO
ISBN	011752994X

Course Material	Book
Author	Egan, J.
Publishing Year	1998
Title	The Egan Report :Rethinking Construction
Subtitle	
Edition	
Publisher	DETR
ISBN	1851120947

Course Material	Book
Author	Potts, K.
Publishing Year	1995
Title	Major Construction Works Contractual and Financial Management
Subtitle	
Edition	
Publisher	Longman
ISBN	0582102987

Course Material	Book
Author	Reiss, G.
Publishing Year	1998
Title	Project Management Demystified
Subtitle	
Edition	2nd edition
Publisher	Spons
ISBN	

Course Material	Book
Author	Kirkham, R.
Publishing Year	2007
Title	Ferry and Brandons Cost Planning of Buildings
Subtitle	
Edition	
Publisher	Blackwells
ISBN	

Course Material	Book
Author	Harris, F. and McCaffer, R.
Publishing Year	2006

Title	Modern Construction Management
Subtitle	
Edition	6th edition
Publisher	Blackwell
ISBN	9781405133258

Course Material	Book
Author	Cooke, B. and Williams, P.
Publishing Year	0
Title	Construction Planning Programming and Control
Subtitle	
Edition	2nd edition
Publisher	Macmillan
ISBN	

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

Course Material	Book
Author	Canter, M.R.
Publishing Year	0
Title	Resource Management for Construction
Subtitle	
Edition	
Publisher	Macmillan
ISBN	

Course Material	Book
Author	Walker, A.
Publishing Year	2002
Title	Project Management in Construction
Subtitle	
Edition	4th edition
Publisher	Blackwell
ISBN	

Notes

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

Putting it simply, construction project management is the process of managing and maintaining a construction initiative, whether it's creating a new building, roadway, dam, sewer system, etc. In some ways, I feel as though construction is one of the purest forms of project management, especially since it shares many of the basic project management steps. They use many of the same project management tools, project management principles, and processes you'd expect to see on a creative or corporate team, but there are plenty of differences as well. What are the construction project management basics? Now that you have a rudimentary understanding of CPM, I've laid out some basics that you should know before you run through the processes of conducting one of these projects. Management principles are propositions established by various scholars based on fundamental facts. The principles serve as a guide for decisionmaking, planning and management action [10, 2]. Management skills are needed to improve the performance of an organization in construction projects, and these activities involve many activities involving more people as a team working towards achieving organizational goals and objectives [3]. These principles are established through observations, practice and long-term management experience. This paper aims to assess the extent of the application of principles of management in the management of human resources in construction projects. NOC:Principles of Construction Management (Video). Syllabus. Co-ordinated by : IIT Kanpur. Lecture 10: Running account bills. Lecture 11: Economic decision making in construction projects. Lecture 12: Depreciation of construction equipment. Week 4- Planning & Scheduling part-1. Repayment of a loan.