

Module Title:	Production Management
Module Code:	BSCS06H
Level:	6
Credits:	15
Pre-requisites:	PRINCIPLES OF MANAGEMENT: SITE MANAGEMENT PRACTICE; CONSTRUCTION AND CONTRACT LAW

Module Description:

This module focuses on the management of the production phase in the construction of buildings within time, cost and quality of the given resources. Students will study planning, programming, resourcing and control techniques, alongside productivity issues, and company strategies.

Indicative Content:

- Inter relationship of contracts and site managers with other participants in the building process, multi-discipline non-adversarial working
 - Construction planning and control procedures
 - Project programming techniques
 - Quality, best practice, sustainability and environmental management
 - Resource management
 - Risk management
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Learning and Teaching Methods:

The module will be delivered through lectures, seminars and case studies to integrate the theoretical aspects with their practical application. Self directed learning will support the lectures and seminars alongside guided reading.

Specific Learning Resources:

MS Project; Primavera

Bibliography

Highly Recommended

Oxley, R & Poskitt, J (1996) *Management Techniques Applied to the Construction Industry* Oxford: Blackwell Science

Cooke B & Williams, P (2004) *Construction Planning, Programming and Control* 2nd Edition Oxford: Blackwell

CIOB (2002) *Code of Practice for Project Management for Construction and*

Module Specifications: Schools of Construction and Engineering

Development 3rd Edition Oxford: Blackwell Science

Recommended

Lawrence Bennett, F (2003) The Management of Construction: a project life cycle approach Oxford: Butterworth Heinemann

Forster, G (1989) Construction Site Studies, Production, Administration and Personnel 2nd Edition Harlow: Longman

Langford, DA & Male, S (2001) Strategic Management in Construction 2nd Edition Oxford: Blackwell Science

McCabe, S (2001) Benchmarking in Construction Oxford: Blackwell Science

Langston (2001) Sustainable Practices in the Environment 2nd Edition Oxford: Butterworth Heinemann

Background Reading

McGeorge, D & Palmer, A (2002) Construction Management – New Directions 2nd Edition Oxford: Blackwell Science

Oakland, J.S (1993) Total Quality Management – The Route to Improving Performance 2nd Edition Oxford: Butterworth Heinemann

Module Learning Outcomes

Subject Specific Learning Outcomes

On successful completion of this module you will be able to:

LO 1 | Examine multi-discipline non-adversarial working practices.

LO 2 | Apply and appraise construction planning and control procedures.

LO 3 | Evaluate the impact of sustainable construction and environmental management on a project.

LO 4 | Examine risk management methodology.

Assessment Title or element	Weighting (%)
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Written Assessment: 2,000 words	50%
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Case Study: time controlled, open book	50%
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Information correct at point of publication.