

Module Title:	Site Management Practice
Module Code:	BSCS06I
Level:	5
Credits:	15
Pre-requisites:	None

Module Description:

The module is designed to introduce the student to the specific knowledge and skills required by site managers and others undertaking a management function in a contracting organisation. The module includes planning and programming work, managing sub-contractors and suppliers, health and safety, site organisation and layout and contract administration.

Indicative Content:

- Principles of effective site management: processes, forecasting, planning, organising, motivating, controlling, coordinating, and communicating.
 - Effective communication: forms of communication, use and application, barriers, site information, meetings, diaries, planning, programming and progressing.
 - Forecasting, control and reporting: quality control, plant management, sub-contractors, and suppliers. Resource management.
 - Planning and programming techniques: systems for production control, stages of contract planning, programming and control methods, use of IT applications.
 - Decision making, problem solving and analysis of problems.
 - Site establishment
 - Environmental considerations: impact of construction activities, law, policies and strategies, environmental economics, pollution and waste management
 - Site health, safety and welfare: CDM, risk assessment, health and safety management, regulations.
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Learning and Teaching Methods:

The module will be delivered through use of lectures, case studies and seminars. Case studies will be employed to demonstrate the application of site management activities to contemporary construction scenarios. Self directed learning will support lectures and seminars alongside guided reading.

This module will also develop practical construction management skills so that students can relate to, appreciate, and apply their managerial and technical knowledge to the scenario in the work based learning project.

Module Specifications: *Schools of Construction and Engineering*

The module should be delivered to assist students to integrate managerial approaches with construction site activities and also the health and safety risks associated with the management of construction projects. It also will develop appreciation and application of the relationship between health and safety and the CDM regulations with respect to the management issues.

Through out the delivery of this module it is implicit that work place issues and activities are at the forefront alongside the managerial aspects of this module. It is essential therefore that the contemporary management practice is at the heart of all teaching. Visiting lecturers will be used to develop areas of a specialist nature.

Specific Learning Resources:

Workstation with internet access

Bibliography

Highly Recommended

Fryer, B. Egbu, C. and Gorse, C. (2011) *The Practice of Construction Management* 5th Edition Chichester: Wiley-Blackwell

Cooke, B. and Williams, P. (2009) *Construction Planning, Programming and Control* 3rd Edition Chichester: Wiley-Blackwell

Emmitt, S and Gorse, C (2003) *Construction Communication* Oxford: Blackwell

CIOB (2009) *Code of Practice for Project Management for Construction and Development* 4th Edition Chichester: Wiley-Blackwell

DTI (2004) *CDM Regulations* London: CIRIA

Recommended

Harris, F. McCaffer, R. and Edum-Fotwe, F. (2006) *Modern Construction Management* 6th Edition Oxford: Blackwell Publishing Ltd

Sales, L. (2006) *The Site Manager's Bible: Everything you need to know to save time and money on your building project* Ebury Press

Ashworth, A. (2008) *Pre-Contract Studies: Development Economics, Estimating and Tendering* 3rd Edition Oxford: Blackwell Publishing Ltd

Background Reading

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

Transport and the Regions Environment (1998) *Rethinking Construction* London: Department of Trade and Industry

Department of the Environment (1994) *Constructing the Team* London: Stationery Office Books

Health and Safety Executive (1992) *A Guide to the Health and Safety at Work Act 1974* Sudbury HSE

Health and Safety Executive (1992) *Management of Health and Safety at Work* CIOB Journal

Module Specifications: *Schools of Construction and Engineering*

Module Learning Outcomes

Subject Specific Learning Outcomes

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

LO 1 | Evaluate site management principles and practices.

LO 2 | Explain the importance of effective communication, planning and resource management.

LO 3 | Apply forecasting, control and reporting techniques.

LO 4 | Apply planning and programming techniques to construction activities.

LO 5 | Evaluate environmental and health, safety and welfare considerations in the construction process.

Assessment Title or element	Weighting (%)
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Report	50%
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Case study	50%
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Information correct at point of publication.