



Module Specification

Site Management

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Part 1: Information

Module title: Site Management

Module code: UBLLY8-15-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

College: Faculty of Environment & Technology

School: FET Dept of Architecture & Built Environ

Partner institutions: None

Field: Architecture and the Built Environment

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: Introduce students to the nature of construction sites, management approaches and techniques that can be applied in the context and culture of site-based production

Introduce students to the principles and reasons for establishing an accurate planning, monitoring and control system for all aspects of on-site production including an appreciation of the integration required between off site and on site manufacture processes and relationships with the supply chain.

Introduce students to decision making appropriate for Quality Control, Health and Safety and sustainability management during on site production including method statements, risk assessments, waste management and other associated activities with this regard.

Outline syllabus: Internal and external environments to projects and sites and typical constraints, opportunities, mechanisms and outputs.

External environmental factors, health and safety legislation, contractual matters, teambuilding, productivity and motivation.

Construction strategies and method statements, production quantities, site layout, precedence, resource management, scheduling and aggregation.

Rationalisation, standardisation, simplification of tasks, networks, resource balancing, site layout, inventory and stock control.

The control of budgets and interim payments, time, quality and dimensions.

Methods of measuring, analysing and evaluating the outcomes of construction operations such as the use of Key Performance Indicators (KPIs), and computer-based methods.

Part 3: Teaching and learning methods

Teaching and learning methods: Contact time: 37.5 hours

Assimilation and development of knowledge: 75 hours

Coursework preparation: 37.5 hours

Total study time: 150 hours

During the first half of the module the students will be introduced to the nature of site-based production and a number of management approaches and techniques that can be applied in the context and culture of construction sites. A series of lectures to the whole cohort will be used to introduce the main concepts, contexts, models, approaches and techniques which will then be more thoroughly examined and evaluated in a parallel tutorial programme.

Tutorials will be undertaken in smaller groups and will be based on case studies of the site management of recently completed construction projects. The students will prepare tutorial sheets in preparation for each of the tutorials on which they will receive constructive formative feedback from the lecturer and their peers during the tutorial sessions.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Explain and use systems thinking to examine the key elements of site-based building operations and activities and the main determinants of the choice of management approaches and building production techniques.

MO2 Identify, use and appraise a number of planning and optimising techniques for building production systems for construction sites.

MO3 Demonstrate and apply the basic principles for establishing an efficient site layout with consideration for logistics associated with supply chain management.

MO4 Demonstrate a full awareness of the potentials and limitations of BIM for the design, construction and management of a project.

MO5 Demonstrate and apply full understanding of the process and control aspects for health and safety and sustainable management for on-site production.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 112 hours

Face-to-face learning = 38 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: The Assessment:

Portfolio of two reports on aspects of site management (3000 words equivalent overall) - submitted midway through the module and at the end.

Resit Portfolio of reports - a similar brief to that described above, which may include some topic changes.

Assessment tasks:

Portfolio (First Sit)

Description: Portfolio of two reports on aspects of site management (3000 words equivalent overall) - submitted midway through the module and at the end.

Weighting: 100 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Portfolio (Resit)

Description: Portfolio of two reports on site management (3000 word equivalent overall)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Construction Project Management [Frenchay] BSc (Hons) 2022-23

Construction Project Management {Apprenticeship-UWE} [Frenchay] BSc (Hons)
2022-23

Construction Project Management {Foundation} [Sep][FT][Frenchay][4yrs] BSc
(Hons) 2021-22

Construction Project Management {Foundation} [Sep][SW][Frenchay][5yrs] BSc
(Hons) 2021-22

Construction Project Management [Sep][PT][Frenchay][5yrs] BSc (Hons) 2020-21