Module Specification

Site Management

Version: 2026-27, v3.0, Approved

Contents

Part 1: Information

Module title: Site Management

Module code: UBLLY8-15-2

Level: Level 5

For implementation from: 2026-27

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Arts, Technology and Environment

School: CATE School of Architecture and Environment

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: This module introduces students to the operational and managerial aspects of construction sites, focusing on the techniques and technologies essential for effective site-based production. It covers the planning, monitoring, and control of on-site activities, highlighting the integration between on-site and off-site processes and the role of the supply chain. Students will explore site logistics, including the coordination of resources, materials, and workflows to ensure efficient and safe site operations. The module also examines the role of digital tools and emerging

technologies in enhancing site management practices. The module develops decision-making skills in quality control, health and safety, and sustainability, with practical applications such as method statements, risk assessments, and waste management strategies.

Features: Not applicable

Educational aims: To develop students' understanding of site-based construction operations, including planning, coordination and control techniques that optimise production.

To build students' ability to manage health and safety, sustainability and quality through practical site management processes and decision-making tools.

To introduce students to technologies that support effective site logistics and the integration of on-site and off-site construction activities.

Outline syllabus: Topics are likely to include but are not limited to:

Systems thinking as a framework for understanding construction site operations.

Health and safety management, covering both general principles and specific regulatory requirements, including the use of method statements and risk assessments.

Site layout and organisation, with attention to logistics, sustainability, productivity and efficiency.

Quality management systems and the coordination of construction site resources, including labour, materials and plant.

Planning techniques, i.e. scheduling and cost, and how they support operational productivity and control. This includes critical path analysis, resource levelling and project planning.

Environmental management, with a focus on sustainable practices and waste

reduction.

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

Digital technologies and off-site construction methods, highlighting their role in improving site efficiency and integration.

A site visit is often considered to provide students with the opportunity to observe real-world practices and reflect on how theory translates into practice.

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 Apply systems thinking in the planning, coordination, and control of construction site-based operations to optimise production processes.

MO2 Evaluate approaches to managing health and safety, sustainability and quality on-site by applying control processes that support compliance and improve performance.

MO3 Assess the role of technologies in site management by investigating digital tools and systems that support effective planning, monitoring, and delivery of on-site and off-site construction activities.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 112.5 hours

Face-to-face learning = 37.5 hours

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/ublly8-15-2.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. Both reports are designed to test the learning outcomes by considering key relevant concepts of production and operations in construction sites, as well as the practical application of these concepts in a case study-based context.

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

Formative feedback - will be provided on a continuing basis through active discussion during tutorials and during allocated feedback sessions.

Assessment tasks:

Portfolio (First Sit)
Description: Portfolio of two reports (3000 words equivalent overall).
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Portfolio (Resit)
Description: Portfolio of two reports (3000 words equivalent overall).
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Construction Project Management [Frenchay] BSc (Hons) 2023-24

Construction Project Management {Foundation} [Frenchay] BSc (Hons) 2024-25

Construction Project Management {Apprenticeship-UWE} [Frenchay] BSc (Hons) 2025-26

Construction Project Management [Frenchay] BSc (Hons) 2025-26