



MODULE SPECIFICATION

Part 1: Information			
Module Title	Site Management		
Module Code	UBLLY8-15-2	Level	Level 5
For implementation from	2018-19		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Architecture and the Built Environment
Department	FET Dept of Architecture & Built Environ		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>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 □</p> <p>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. □</p> <p>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.</p> <p>Outline Syllabus: Internal and external environments to projects and sites and typical constraints, opportunities, mechanisms and outputs.</p> <p>External environmental factors, health and safety legislation, contractual matters, teambuilding, productivity and motivation.</p>

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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.

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 semester 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.

Part 3: Assessment

Assessment will consist of one component, A, split into two parts with 50:50 weighting.

The assessment strategy is based on one report in the middle of the first semester and one report at the end of the first semester on site management.

Component A - Report

Coursework Part 1 (3000 words)

Coursework Part 2 (3000 words)

First Sit Components	Final Assessment	Element weighting	Description
Report - Component A		50 %	Coursework
Report - Component A	✓	50 %	Coursework
Resit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	100 %	Coursework

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Part 4: Teaching and Learning Methods																	
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th style="text-align: left;">Module Learning Outcomes</th> <th style="text-align: left;">Reference</th> </tr> </thead> <tbody> <tr> <td>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.</td> <td>MO1</td> </tr> <tr> <td>Identify, use and appraise a number of planning and optimising techniques for building production systems for construction sites.</td> <td>MO2</td> </tr> <tr> <td>Demonstrate and apply the basic principles for establishing an efficient site layout with consideration for logistics associated with supply chain management.</td> <td>MO3</td> </tr> <tr> <td>Demonstrate a full awareness of the potentials and limitations of BIM for the design, construction and management of a project.</td> <td>MO4</td> </tr> <tr> <td>Demonstrate and apply full understanding of the process and control aspects for health and safety and sustainable management for on-site production.</td> <td>MO5</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	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.	MO1	Identify, use and appraise a number of planning and optimising techniques for building production systems for construction sites.	MO2	Demonstrate and apply the basic principles for establishing an efficient site layout with consideration for logistics associated with supply chain management.	MO3	Demonstrate a full awareness of the potentials and limitations of BIM for the design, construction and management of a project.	MO4	Demonstrate and apply full understanding of the process and control aspects for health and safety and sustainable management for on-site production.	MO5				
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Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/index.html</p>																

Part 5: Contributes Towards	
This module contributes towards the following programmes of study:	