



MODULE SPECIFICATION

Part 1: Information			
Module Title	Innovation and Professionalism		
Module Code	UBLMP5-15-3	Level	Level 6
For implementation from	2020-21		
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:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: The precise content of the syllabus will reflect current developments and debates in the quantity surveying profession including some of the following:</p> <p>Facilities Management Occupation costs; maintenance and occupation costs related to function, performance and specification; built asset management; obsolescence, rehabilitation and refurbishment; life cycle costing; data requirements and availability; uncertainty and errors in forecasting.</p> <p>Risk and Uncertainty Uncertainty in estimating data; accuracy in forecasting; ability to predict lowest tender; deterministic and probabilistic estimating; improving the quality of estimates; qualitative and quantitative risk assessment; contingency and risk allowances and sensitivity analysis.</p> <p>Value Optimisation Using cost modelling and analytics of data to add value; value management; value engineering; value analysis; cost benefit analysis; developments in procurement; effect of taxation and capital</p>

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allowances; examples in the context of project evaluation and , sustainable construction including embodied carbon assessment.

Whole Life (Cycle) Costing

Data requirements and availability; uncertainty and errors in forecasting; occupation costs; maintenance and occupation costs related to function, performance and specification; facilities management; obsolescence, rehabilitation and refurbishment.

Health & Safety

The scope for Quantity Surveyors to influence Health & Safety and Occupational Health through all stages of the construction process

Technology Applications

Technological and computer applications for enhancing the efficiency of the construction industry through the RIBA Stages by the use of modelling techniques and innovation

Ethics will be considered thematically through relevant areas of the module

Teaching and Learning Methods: Learning approaches will comprise:

Lectures in all topic areas regularly supported by specialist speakers and practitioners.

Workshops with supporting reading designed to encourage students to develop their knowledge of the theories explained in the lectures and their application in practice.

Computer based workshops to enable to develop an understanding of a range of cost modelling techniques and the development of relevant IT skills competence to support their practical application.

Materials will be available on Blackboard to support the module content with reference materials, exercises and related commentaries and video clips.

Scheduled learning includes lectures, seminars, tutorials, practical classes and supported workshops

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated below.

Activity (hrs)

Contact time (36)

Assimilation and development of knowledge (84)

Exam preparation (30)

Total study time (150)

Part 3: Assessment

As a level 3 module it is expected that students gain a deep understanding of the content of the module supported by current research and an appreciation of how quantity surveying services are applied in industry.

The assessment comprises two elements: a reflective report on supported practical learning that takes place during tutorials and a summative assessment which takes the form of a 24 hour seen Written Assignment. No less than a week prior to the commencement time a question bank, from which the questions on the seen examination paper will be taken will be published. These two approaches have been selected for their complimentary nature and their ability to bring out different academic skill in the student. As a level 3 module there is ample opportunity to reflect on the emerging threads from this module and the ability to synthesise this with earlier learning. The format lends itself to the student making new connections with existing knowledge which should embed the learning as they prepare for leaving the university and/or potentially going on to further study.

For each subject that is covered in the lectures and applied in the exercises in the tutorials the students will be

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expected to do the appropriate background reading prior to the tutorial. During tutorials formative assessment discussions will take place to facilitate the student's deep understanding. It is also expected that the students will engage with the IT 'models' created for the module which are designed to develop an appreciation of the application of BIM tools.

First Sit Components	Final Assessment	Element weighting	Description
Written Assignment - Component A	✓	75 %	Written assignment (2000 words) 24 hour seen assignment
Report - Component B		25 %	Report (1000 word equivalent)
Resit Components	Final Assessment	Element weighting	Description
Written Assignment - Component A	✓	75 %	Written assignment (2000 words) 24 hour seen assignment
Report - Component B		25 %	Report (1000 word equivalent)

Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	Module Learning Outcomes	Reference
	Identify and critically examine key current developments impacting on the construction industry and quantity surveying profession which determine the value and broader commercial success of construction	MO1
	Evaluate the techniques used to evaluate and optimise construction project designs and property development proposals in terms of total project costs, whole life costs and carbon emissions accounting	MO2
	Critically reflect on the practical application of new technologies in the construction industry, focusing on exploration and critically evaluation of the impact Building Information Management (BIM).	MO3
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	114
	Total Independent Study Hours:	114
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	36
	Total Scheduled Learning and Teaching Hours:	36

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	Hours to be allocated	150
	Allocated Hours	150
Reading List	<i>The reading list for this module can be accessed via the following link:</i> https://uwe.rl.talis.com/modules/ublmp5-15-3.html	

Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Quantity Surveying and Commercial Management [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19