



MODULE SPECIFICATION

Part 1: Information			
Module Title	Advanced Quantity Surveying		
Module Code	UBLMP5-15-3	Level	Level 6
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		
Contributes towards			
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry 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; sensitivity analysis; statistical methods</p>

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Value Optimisation

Using cost modelling to add value; value management; value engineering; value analysis; cost benefit analysis; developments in procurement; effect of taxation and capital 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; condition surveys; obsolescence, rehabilitation and refurbishment.

Computer applications

Computer applications for cost modelling and financial management, from measurement through cost planning, risk analysis, value engineering, whole life costing, cost and cash flow management; building information management; advanced EXCEL applications in quantity surveying and cost modelling techniques.

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 the 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 2 hour seen examination. At the beginning of the module a question bank, from which the questions on the seen examination paper will be taken will be published.

For each subject that is covered in the lectures and applied in the exercises in the tutorials the students will be 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 validity and fragility of cost and related data using 'what if' scenarios.

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First Sit Components	Final Assessment	Element weighting	Description
Report - Component B		25 %	Report (1000 word equivalent)
Examination - Component A	✓	75 %	Seen examination (2 hours)
Resit Components	Final Assessment	Element weighting	Description
Report - Component B		25 %	Report (1000 word equivalent)
Examination - Component A	✓	75 %	Seen examination (2 hours)

Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will be able to:	
		Module Learning Outcomes
	MO1	Identify and critically examine key current developments impacting on the construction industry and quantity surveying profession which determine the value and commercial success of construction.
	MO2	Demonstrate an understanding of the theoretical and practical application of techniques used to evaluate and optimise construction project designs and property development proposals in terms of total project costs, whole life costs, capital allowances and carbon emissions accounting
	MO3	Explore and critically examine the validity and accuracy of data and methods of evaluation using ICT based cost models
Contact Hours	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	

STUDENT AND ACADEMIC SERVICES

	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	