



MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Advanced Quantity Surveying				
Module Code	UBLMP5-15-3	Level	3	Version	2
Owning Faculty	Environment and Technology	Field	Architecture and the Built Environment		
Contributes towards	BSc (Hons) Quantity Surveying and Commercial Management				
UWE Credit Rating	15	ECTS Credit Rating	7.5	Module Type	Standard
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Valid From	September 2019				


Approval Date	28 May 2019 v2
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Part 2: Learning and Teaching	
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1. 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.(A) 2. 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.(A) 3. Demonstrate an understanding of the practical application of new technologies in the construction industry, focusing on exploration and critical evaluation of the impact of digital construction techniques (A) & (B).
Syllabus Outline	<p>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;</p>

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	<p>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.</p> <p>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.</p> <p>Health & Safety The scope for Quantity Surveyors to influence Health & Safety and Occupational Health through all stages of the construction process</p> <p>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</p>										
Contact Hours	<table border="1"> <thead> <tr> <th data-bbox="400 763 986 797">Activity</th> <th data-bbox="986 763 1082 797">hrs</th> </tr> </thead> <tbody> <tr> <td data-bbox="400 797 986 831">Contact time</td> <td data-bbox="986 797 1082 831">36</td> </tr> <tr> <td data-bbox="400 831 986 864">Assimilation and development of knowledge</td> <td data-bbox="986 831 1082 864">84</td> </tr> <tr> <td data-bbox="400 864 986 898">Exam preparation</td> <td data-bbox="986 864 1082 898">30</td> </tr> <tr> <td data-bbox="400 898 986 931">Total study time</td> <td data-bbox="986 898 1082 931">150</td> </tr> </tbody> </table>	Activity	hrs	Contact time	36	Assimilation and development of knowledge	84	Exam preparation	30	Total study time	150
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Teaching and Learning Methods	<p>Learning approaches will comprise:</p> <p>Lectures in all topic areas regularly supported by specialist speakers and practitioners.</p> <p>Workshops with supporting reading designed to encourage students to develop their knowledge of the theories explained in the lectures and their application in practice.</p> <p>Computer based workshops to enable students to develop an understanding of a range of modelling techniques and the development of relevant IT skills competence to support their practical application.</p> <p>Materials will be available on Blackboard to support the module content with reference materials, exercises and related commentaries and video clips.</p> <p>Scheduled learning includes lectures, seminars, tutorials, practical classes and supported workshops</p> <p>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 in the table below.</p>										
Key Information Sets Information	<p>Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.</p>										

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Key Information Set - Module data						
Number of credits for this module					15	
Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours		
150	36	114	0	150		

Total assessment of the module:	
Written exam assessment percentage	75%
Coursework assessment percentage	25%
Practical exam assessment percentage	0%
	100%

Indicative Reading List	https://uwe.rl.talis.com/modules/ublmp5-15-3.html
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Part 3: Assessment

Assessment Strategy	<p>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.</p> <p>The assessment comprises two elements: a reflective report on supported practical learning that takes place during tutorials and a further 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.</p> <p>For each subject that is covered in the lectures and applied in the exercises the students will be expected to do the appropriate tutorial 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 .</p>
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Identify final assessment component and element	Component A	
% weighting between components A and B (Standard modules only)	A:	B:
	75	25
First Sit		
Component A (controlled conditions) Description of each element	Element weighting	
1.Seen examination (2 hours)	100	
Component B Description of each element	Element weighting	

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1. Report (1000 word equivalent)	100
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Resit (further attendance at taught classes is not required)

Component A (controlled conditions) Description of each element	Element weighting
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1. Seen examination (2 hours)	100
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Component B Description of each element	Element weighting
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1. Report (1000 word equivalent)	100
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