

## Module Specification

### Module Summary Information

<b>1</b>	<b>Module Title</b>	Civils Quantification and Cost
<b>2</b>	<b>Module Credits</b>	20
<b>3</b>	<b>Module Level</b>	6
<b>4</b>	<b>Module Code</b>	BNV6121

<b>5</b>	<b>Module Overview</b>
<p>This module is the final module in helping to develop your core Quantity Surveying skills of quantification and cost.</p> <p>This module will test your ability to understand the management procedures and techniques appropriate in pricing a tender document in accordance with the RICS/CIOB.</p> <p>You will be required to work as managers gaining an in-depth understanding of how design and construction projects are tendered and valued through the use of internal and external sources of information. You will develop technical skills which will enable in-depth knowledge of how pricing structure of projects can be applied to cost control by tendering companies.</p> <p>It is expected that you will develop your own method of working and approach to the project challenges, enabling you to think creativity and developing self – confidence in your professional judgement.</p>	

<b>6</b>	<b>Indicative Content</b>
<p>Drawing on your experience of Integrated Digital Design Complex Structures at level 5, you will be introduced to preliminary work items, provisional sums, excavation, drainage, cut and fill and civil engineering work.</p> <p>You will be able to measure and quantify work sections of a more advanced form through the application of standard methods of measurement for Civils (CESMM), interpreting drawings and construction details and the construction technology that underpins this information.</p> <p>You will apply the measurement principles, Industry standard descriptions and develop specifications to enable you to prepare and manage cost estimates for more complex work and drawings.</p> <p>You will also be expected to evaluate and recommend tenders using software systems.</p>	

<b>7</b>	<b>Module Learning Outcomes</b>	
	<b>On successful completion of the module, students will be able to:</b>	
	<b>1</b>	Describe and quantify civil engineering works in accordance with CESMM.
	<b>2</b>	Interpret civil engineering drawings and specification information to compile a pricing document for tender purposes on selected measured work sections using CATO systems.
	<b>3</b>	Construct descriptions of work appropriate to the work sections being measured and costed and represented as a priced Bill of Quantities.
	<b>4</b>	Apply software to measure, bill and price different works sections by the appropriate standard method using contractor's tenders received, record and analyse, adjusting for anomalies, presenting a final recommendation.

<b>8</b>	<b>Module Assessment</b>		
<b>Learning Outcome</b>			
	<b>Coursework</b>	<b>Exam</b>	<b>In-Person</b>
<b>1-4</b>	<b>X</b>		

<b>9</b>	<b>Breakdown Learning and Teaching Activities</b>	
<b>Learning Activities</b>	<b>Hours</b>	
<b>Scheduled Learning (SL)</b> includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48	
<b>Directed Learning (DL)</b> includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	62 You will be set a complex measurement task and you will be expected to complete this within the class and in your own time as directed by the Module team.	
<b>Private Study (PS)</b> includes preparation for exams	90 You will be expected to continually work on your portfolio aligned to the class tasks and coursework set.  And engage in using Moodle and other resources provided in the module documentation and expand into other self-selected resources as appropriate.	
<b>Total Study Hours:</b>	200	