

## Module Specification

### Module Summary Information

<b>1</b>	<b>Module Title</b>	Quantitative Methods
<b>2</b>	<b>Module Credits</b>	20
<b>3</b>	<b>Module Level</b>	3
<b>4</b>	<b>Module Code</b>	BNV3005

<b>5</b>	<b>Module Overview</b>
<p>The use of numbers within the built environment is inevitable, unavoidable and impactful in many ways. This module aims to provide an overview over the use of quantitative methods within the built environment and their relationship to different scenarios and identifying their value allowing you to develop the necessary foundation skills. This module acts as a preparatory stage in terms of both enhancing and developing your mathematical and quantitative abilities before commencing to Level 4. It also develops your awareness of the quantitative-related matters within different professions.</p> <p>This module has 2 additional hours for support.</p>	

<b>6</b>	<b>Indicative Content</b>
<ul style="list-style-type: none"> <li>• Review different quantitative methods used in the built environment (percentages, mean, standard deviation, etc.).</li> <li>• Understand the role of quantitative methods and problem solving within the built environment (areas, perimeters, volumes and linear equations).</li> <li>• Review the role of measurement in the built environment (geometry and cost).</li> <li>• Understand the relevance of quantitative methods to the built environment professionals.</li> <li>• Develop awareness of the role of quantitative methods toward risks, contingencies and cost appreciation.</li> </ul>	

<b>7</b>	<b>Module Learning Outcomes</b>
<b>On successful completion of the module, students will be able to:</b>	
<b>1</b>	Demonstrate knowledge and understanding of different quantitative methods appropriate to routine problems.
<b>2</b>	Identify and apply quantitative methods to different built environment scenarios.

8 Module Assessment			
Learning Outcome			
	Coursework	Exam	In-Person
1		X	
2	X		

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
<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	72
<b>Private Study (PS)</b> includes preparation for exams	80
<b>Total Study Hours:</b>	200