

Module Specification

Module Summary Information

1	Module Title	Data and Decision Making
2	Module Credits	20
3	Module Level	5
4	Module Code	BNV5111

5	Module Overview
<p>This module provides an opportunity for you to develop and apply research skills in a property development, planning and real estate context. The module is an introduction into some of the data, techniques and approaches required to explore social, economic, environmental and technological change in a built environment context. The module comprises two parts:</p> <ol style="list-style-type: none"> 1) preparatory sessions, involving a mix of lectures and self-directed study that provide you with the necessary background information, qualitative and quantitative techniques and data to successfully undertake the field class; 2) field visit, which will run over several days and consists of a series of staff-led sessions and individual / group project exercises. <p>The preparatory sessions will involve a mixture of lectures and self-directed study; this will provide background information to undertake the field visit. As part of this module, you will critically reflect on the following topics:</p> <ul style="list-style-type: none"> • What are the strengths and weaknesses of different approaches to conducting research in a property development, planning and real estate context; • What are the key principles of quantitative data analysis, and qualitative research; • How can new data be collected during fieldwork visit? How might we best use information to reach evidence-based decisions? • How can messages be communicated for different audiences? • Recognise the role of communication skills and the importance of working in an interdisciplinary context, and the importance of negotiation, mediation, and advocacy and leadership skills. 	

6	Indicative Content
<p>The roles and uses of quantitative and qualitative data in decision making within the Built Environment</p> <p>Utilising mixed method approaches to decision making in the Built Environment</p> <p>The strengths and weaknesses of official and unofficial data in decision making</p> <p>'Big Data' and its implications for human and machine based decision making.</p> <p>The role of social media and internet based data in supporting decision making.</p>	

Making data accessible to enhance stakeholder engagement and public contribution to built environment decision making.

Recording accurate and relevant field notes to a professional standard.

Survey & structured interview design, implementation and analysis.

Combining quantitative and qualitative data through SPSS and other software.

Mapping quantitative data.

Mapping qualitative data through SPSS and other techniques

Recognising the value of data to make informed, evidence based decisions.

7		Module Learning Outcomes
On successful completion of the module, students will be able to:		
1	Identify and analyse information, ideas and arguments relevant to a property development, planning and real estate context.	
2	Demonstrate the ability to reach appropriate, evidence based decisions.	
3	Make effective use of evidence and information sources and formulate responses to a range of property development, planning and real estate challenges.	
4	Demonstrate the ability to use negotiation, mediation, and advocacy and leadership skills.	

8		Module Assessment		
Learning Outcome				
	Coursework	Exam	In-Person	
1, 4			X	
2, 3	X			

9		Breakdown Learning and Teaching Activities
Learning Activities	Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	60	
Private Study (PS) includes preparation for exams	92	
Total Study Hours:	200	