



MODULE SPECIFICATION

Part 1: Information			
Module Title	Research Design and Methodologies		
Module Code	UBGMV8-30-M	Level	Level 7
For implementation from	2018-19		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Environmental Mgmt		
Contributes towards	Social Research (Sustainable Futures) [Sep][FT][Frenchay][1yr] MRes 2018-19 Geography [Sep][FT][Frenchay][1yr] MRes 2018-19 Architecture [Sep][FT][Frenchay][1yr] MRes 2018-19 Statistics [Sep][FT][Frenchay][1yr] MRes 2018-19 Data Science [Sep][PT][Frenchay][2yrs] MRes 2018-19 Data Science [Sep][FT][Frenchay][1yr] MRes 2018-19 Statistics [Sep][PT][Frenchay][2yrs] MRes 2018-19 Geography [Sep][PT][Frenchay][2yrs] MRes 2018-19 Social Research (Health and Wellbeing) [Sep][FT][Frenchay][1yr] MRes 2018-19 Air Quality Management [Sep][FT][Frenchay][1yr] MRes 2018-19 Bio-energy [Sep][FT][Frenchay][1yr] MRes 2018-19 Carbon Management [Sep][FT][Frenchay][1yr] MRes 2018-19 Flooding [Sep][FT][Frenchay][1yr] MRes 2018-19 Mobilities [Sep][FT][Frenchay][1yr] MRes 2018-19 Transport Studies [Sep][FT][Frenchay][1yr] MRes 2018-19 Water Management [Sep][FT][Frenchay][1yr] MRes 2018-19 Air Quality Management [Sep][PT][Frenchay][2yrs] MRes 2018-19 Bio-energy [Sep][PT][Frenchay][2yrs] MRes 2018-19 Carbon Management [Sep][PT][Frenchay][2yrs] MRes 2018-19 Flooding [Sep][PT][Frenchay][2yrs] MRes 2018-19 Mobilities [Sep][PT][Frenchay][2yrs] MRes 2018-19 Transport Studies [Sep][PT][Frenchay][2yrs] MRes 2018-19 Water Management [Sep][PT][Frenchay][2yrs] MRes 2018-19		

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	<p>Computer Science [Sep][FT][Frenchay][1yr] MRes 2018-19</p> <p>Computer Science [Sep][PT][Frenchay][2yrs] MRes 2018-19</p> <p>Architecture [Sep][PT][Frenchay][2yrs] MRes 2018-19</p> <p>Construction [Sep][PT][Frenchay][2yrs] MRes 2018-19</p> <p>Real Estate [Sep][PT][Frenchay][2yrs] MRes 2018-19</p> <p>Product Design [Sep][PT][Frenchay][2yrs] MRes 2018-19</p> <p>Construction [Sep][FT][Frenchay][1yr] MRes 2018-19</p> <p>Real Estate [Sep][FT][Frenchay][1yr] MRes 2018-19</p> <p>Product Design [Sep][FT][Frenchay][1yr] MRes 2018-19</p>
Module type:	Standard
Pre-requisites	None
Excluded Combinations	None
Co- requisites	None
Module Entry requirements	None

Part 2: Description

Overview: Research Design and Methodology will provided you with the foundations for taking forward your own research.

Educational Aims: See Learning Outcomes

Outline Syllabus: This module will cover the main approaches to research design, data collection and data analysis; including :-

Qualitative methods:

Foundations of qualitative research – epistemological/ontological assumptions and key theoretical concepts, qualitative research design (recruitment and sampling, research ethics), ensuring quality and rigor.

Introduction to collecting qualitative data – key methods such as interviews, focus groups, qualitative surveys (core assumptions and implementation).

Introduction to analysing qualitative data – key methods such as thematic analysis and interpretative phenomenological analysis (key assumptions and implementation).

Quantitative methods:

Introduction to the scientific method - epistemological/ontological assumptions and key theoretical concepts, formulation of research questions, scientific hypotheses, study design, statistical hypotheses.

Data sampling, reliability, replicability.

Exploratory data analysis, statistical inference, power, external and internal validity, scientific

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inference.

Understanding relationships in data using the most commonly used statistical techniques.

Teaching and Learning Methods: See Assessment Strategy

Part 3: Assessment

Summative Assessment

Component A (examination):

The controlled conditions examination will focus on a critique and wider understanding of qualitative and quantitative research design, methodologies and analysis in research contexts. The exam will be divided into 2 sections – Section A will consist of questions based on a seen qualitative journal article; Section B will consist of questions based on a seen quantitative journal article. Students will be given the journal articles at least 4 weeks before the date of the exam. This controlled assessment will strongly encourage students to engage in a formalised way with the qualitative and quantitative literature ensuring that they have the ability to understand and interpret both approaches.

Component B (coursework):

B.1. Quantitative Methods Report. Students will develop a report focussing on the practical examination of supplied quantitative data sets and will be assessed on their appropriate application of justified methods of analysis, inferences, conclusions, and limitations of findings. The report has a maximum word count of 2500 words, not including diagrams, figures, tables, references, or relevant appendices.

B.2 Qualitative Methods Report. Students will develop a report focussing on the practical development of a qualitative research design in response to an identified research problem, including detailed strategy for data analysis, and demonstrating wider reading in the justification of the research design. The report may include research tools (e.g. schedule of interview questions), where appropriate, as an appendix. The report has a maximum word count of 2500 words, not including diagrams, figures, tables, references, or relevant appendices.

First Sit Components	Final Assessment	Element weighting	Description
Written Assignment - Component B		38 %	Qualitative Methods Report (2,500 words)
Written Assignment - Component B		37 %	Quantitative Methods Report (2,500 words)
Examination - Component A	✓	25 %	Partially seen examination (2 hours)
Resit Components	Final Assessment	Element weighting	Description
Written Assignment - Component B		37 %	Quantitative Methods Report (2,500 words)
Written Assignment - Component B		38 %	Qualitative Methods Report (2,500 words)
Examination - Component A	✓	25 %	Partially seen examination (2 hours)

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Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will be able to:	
	Module Learning Outcomes	
	MO1	Explain the purpose and characteristics of key qualitative and quantitative research methods.
	MO2	Critically evaluate research within its appropriate methodological context.
	MO3	Demonstrate a rigorous and critical understanding of the assumptions underpinning key concepts such as validity, reliability, representativeness, generalisability, subjectivity and reflexivity.
	MO4	Justify the use of key research designs and associated methods of analysis.
	MO5	Show competence in the use of key research methods.
Contact Hours	Contact Hours	
	Independent Study Hours:	
	Independent study/self-guided study	252
	Total Independent Study Hours:	252
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	48
	Total Scheduled Learning and Teaching Hours:	48
	Hours to be allocated	300
	Allocated Hours	300
Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p>https://uwe.rl.talis.com/modules/ubgmv8-30-m.html</p>	