STUDENT AND ACADEMIC SERVICES

UWE Bristol | University of the West of England

MODULE SPECIFICATION

Part 1: Information			
Module Title	Individual Civil Engineering Project		
Module Code	UBGMQP-30-3	Level	Level 6
For implementation from	2019-20		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Envrnmental Mgmt		
Module Type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co-requisites	None		
Module Entry Requirements	None		
PSRB Requirements	None		

Part 2: Description
Overview: Module Entry Requirements: 60 credits at Level 2 **Educational Aims:** The Individual Civil Engineering Project is a major, individual investigative research or design study project. The precise nature of the project will depend on the topic selected by the student but in all situations the topic should be intellectually challenging and provide scope for students to demonstrate initiative and creative thinking. **Outline Syllabus:** Students will select topics provided by supervisors, or may propose a topic to a supervisor. Student proposed topics must be agreed with the student's supervisor. The student's supervisor will be nominated by the module leader based on the supervisors industrial and research experience in the area of the topic. **Teaching and Learning Methods:** Learning is predominantly independent, self-directed study. Through this, and with the guidance of the supervisor, and the provision of learning resources and timetabled sessions, students will develop skills in: Planning and management of a technical project

Management of the ethics and risks of a project

Selecting, reviewing, critically analysing and evaluating appropriate academic and grey literature, and also any relevant legislation, codes of practice, and other policy or practice literature

Developing an appropriate research or design study methodology that meets the project requirements

Clearly presenting the results in appropriate formats including tables, figures and charts

Thorough analysis of data using appropriate methods

Critically evaluate the outcomes of the analysis

Effective, concise and precise written and verbal communication skills to disseminate technical content

Develop conclusions, recommendations and identify limitations for a technical project

Scheduled learning:

Formal taught sessions are provided for ethical, cost estimation (e.g. for materials purchase if relevant), risk management and academic skills at the beginning of the module.

Supervision:

Each student will have a nominated supervisor. Review meetings will be held on a regular basis between supervisor and student. These meetings will allow the student to discuss the planning and progress of the project, and receive feedback, direction and guidance from the supervisor. These meetings will typically take place every two to three weeks during term time. It is the responsibility of the student to arrange and record these meetings.

Part 3: Assessment

Formative assessment:

On-going formative feedback will be provided through one-to-one contact with supervisors. Feedback will also be given at the progress presentations.

Summative assessment:

Component A:

Element A1, Progress presentation (10 minutes):

The student is required to present for 10 minutes. The presentation must discuss the research aims, objectives, progress to date and potential outcomes. This presentation provides a key point in the development of the project, the feedback from which will allow the student to develop their project report before the submission.

The presentation will be followed by 5 minutes of critical questioning on the contents of the presentation.

Element A2, Portfolio Presentation:

A portfolio presentation (A2) and project report (B1) are designed to assess the student's deeper understanding of the work under taken in the key areas of:

Effectively and precisely discuss the technical content of the project.

Critically evaluate the work presented in the project report.

Clearly articulate any limitations of the project.

Provide clear and well justified answers to questions on the project.

Component B:

Element B1, Project report:

The aim of the report is to fully explain the background, aims, methods, results, analysis, and conclusions and recommendations of the work undertaken. The report will:

Contain a literature review which critically analyses and evaluates the relevant background and identifies a gap in that needs to be filled by the work undertaken.

Include the methodology adopted together with a justification of this methodology.

Clearly state the results and the analysis of the data undertaken.

Critically evaluate the results in the light of the previous literature.

Provide conclusions, recommendations and a discussion of limitations.

The report word count is 9000, excluding appendices and reference list. Any data included in the appendices must be directly relevant to the project.

Appendices to the report must include:

A project proposal developed before the progress presentation.

Marking criteria:

The marking criteria for each element will be published in the brief / module handbook.

Moderation:

The marking team will blind mark a single submission and compare marks prior to marking the remainder of the reports. All reports will be double blind marked.

First Sit Components	Final Assessment	Element weighting	Description
Presentation - Component A		12.5 %	Progress presentation (10 mins)
Presentation - Component A	✓	12.5 %	Portfolio Presentation (10 mins)
Report - Component B		75 %	Project report (9,000 words)
Resit Components	Final Assessment	Element weighting	Description
Presentation - Component A	✓	25 %	Portfolio Presentation (10 mins)
Report - Component B		75 %	Project report (9,000 words)

Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	Module Learning Outcomes	**Reference**
	Carry out research or design study on a technical topic	MO1
	Select, review, critique and synthesise important and relevant knowledge in existing research literature and/or professional practice that are to be examined in a technical project	MO2
	Plan and manage a technical project, including appropriate investigative methodology, to obtain relevant quality information or data from primary and/or secondary sources	MO3
	Present, analyse, interpret and critically evaluate data	MO4
	Make clear and well justified conclusions and recommendations and identify limitations of the work	MO5
	Effectively communicate technical content in written and verbal formats	MO6
	Understand and comply with ethical and risk management matters relevant to the project	MO7

Contact Hours	**Independent Study Hours:**	
	Independent study/self-guided study	286
	Total Independent Study Hours:	286
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	14
	Total Scheduled Learning and Teaching Hours:	14
	Hours to be allocated	300
	Allocated Hours	300

Reading List	*The reading list for this module can be accessed via the following link:*
	https://uwe.rl.talis.com/modules/ubgmqp-30-3.html

Part 5: Contributes Towards
This module contributes towards the following programmes of study: