



MODULE SPECIFICATION

Part 1: Information			
Module Title	Project Dissertation		
Module Code	UFMFEH-120-M	Level	Level 7
For implementation from	2018-19		
UWE Credit Rating	120	ECTS Credit Rating	60
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engin Design & Mathematics		
Contributes towards	Engineering [Sep][FT][Frenchay][1yr] MRes 2018-19 Engineering [Jan][PT][Frenchay][2yrs] MRes 2018-19 Engineering [Jan][FT][Frenchay][1yr] MRes 2018-19 Engineering [Sep][PT][Frenchay][2yrs] MRes 2018-19		
Module type:	Master dissertation		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: The project module involves a critical study of recent developments in the chosen field and will result in the development and validation of a practical component or artefact that may be a method or a model, a specification, a design document, a software implementation or any other practical and usable deliverable. The production of this deliverable should involve an organised 'engineering' approach or methodology and a substantial element of originality. It is expected that the deliverable will be validated or proved and that the process by which it is produced will be evaluated critically and future work considered.</p>

STUDENT AND ACADEMIC SERVICES

A list of possible dissertation titles offered by academic staff will be published on a regular basis every year. Students are encouraged to devise their own dissertation subject where possible and the responsible staff ensuring that the subject fits within the criteria for a Masters by Research level Dissertation. An initial dissertation proposal will be submitted and evaluated.

Teaching and Learning Methods: This is a project type of module which seeks to ensure that students are autonomous learners. Based on the student chosen topic and/or methodology and in consultation with the programme leader, the student will be allocated a personal supervisor. The student will plan a series of meetings with the supervisor and present a project plan.

The student will be assisted with the following:

Collection and use of primary evidence;

Critical appraisal of the research process and outcome

Refining a research proposal

As a project module, students are expected to work unsupervised for most of the study hours allocated for this module.

A regular set of meetings between the student and the supervisor will be arranged to aid the student and monitor progress. This contact can take place either physically or virtually. Virtual contact can be by e-mail, phone or web-based interaction, depending on students' circumstances and requirements, and in agreement with the supervisors.

Part 3: Assessment

Portfolio of Research and Presentation:

Portfolio of research and the presentation are due mid-January for full time students and late May for part time students. The portfolio of research will include a critical overview of relevant literature and a proposed design/methodology concept. The maximum word count of this document is 3000 words. The presentation will take 20 minutes followed by 10 minutes questions posed by your peers and staff involved in engineering teaching and research at UWE. The purpose of the presentation is to allow students to summarise the investigative work they have performed and to enable them to answer questions concerning their progress and findings. The presentation will take place immediately after submitting the portfolio of research.

The Dissertation:

The dissertation should set out what the student intended to accomplish, how they went about it, and why they produced the output they did. The dissertation should also include an evaluation of the solutions proposed or results obtained, and a reflection upon what has been achieved. It is due in late November for full-time students and in May following year for part time students and should be no more than 20,000 words in length. As part of this reflection upon the investigation.

First Sit Components	Final Assessment	Element weighting	Description
Portfolio - Component A		20 %	Portfolio of research (3000 words)
Presentation - Component A		5 %	Presentation
Dissertation - Component A	✓	75 %	Dissertation (20000 words)

STUDENT AND ACADEMIC SERVICES

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Part 4: Teaching and Learning Methods																			
Learning Outcomes	On successful completion of this module students will be able to:																		
	<table border="1"> <thead> <tr> <th colspan="2">Module Learning Outcomes</th> </tr> </thead> <tbody> <tr> <td>MO1</td> <td>Show a detailed knowledge and understanding of an area of engineering which is at the forefront of professional and/or academic practice; along with appropriate methodologies and techniques</td> </tr> <tr> <td>MO2</td> <td>Show a detailed knowledge and understanding of current research, contemporary problems and/or new insights in areas of the chosen engineering topic in relation to their research including current ethical issues of engineering</td> </tr> <tr> <td>MO3</td> <td>Show competence in applying appropriate techniques and in interpreting the results</td> </tr> <tr> <td>MO4</td> <td>Devise innovative solutions to the research area under investigation, integrate or devise systems or models using existing technologies and to present these solutions effectively</td> </tr> <tr> <td>MO5</td> <td>Exercise initiative and personal responsibility in professional practice</td> </tr> <tr> <td>MO6</td> <td>Generate clear research questions or hypotheses</td> </tr> <tr> <td>MO7</td> <td>Critically analyse and evaluate current research, contemporary problems in areas of engineering relevant to the chosen research topic</td> </tr> <tr> <td>MO8</td> <td>Communicate results clearly to specialist and non-specialist audiences</td> </tr> </tbody> </table>	Module Learning Outcomes		MO1	Show a detailed knowledge and understanding of an area of engineering which is at the forefront of professional and/or academic practice; along with appropriate methodologies and techniques	MO2	Show a detailed knowledge and understanding of current research, contemporary problems and/or new insights in areas of the chosen engineering topic in relation to their research including current ethical issues of engineering	MO3	Show competence in applying appropriate techniques and in interpreting the results	MO4	Devise innovative solutions to the research area under investigation, integrate or devise systems or models using existing technologies and to present these solutions effectively	MO5	Exercise initiative and personal responsibility in professional practice	MO6	Generate clear research questions or hypotheses	MO7	Critically analyse and evaluate current research, contemporary problems in areas of engineering relevant to the chosen research topic	MO8	Communicate results clearly to specialist and non-specialist audiences
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Contact Hours	Contact Hours																		
	Independent Study Hours:																		
	Independent study/self-guided study	1200																	
	Total Independent Study Hours:	1200																	
	Hours to be allocated	1200																	
	Allocated Hours	1200																	
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p>https://uwe.rl.talis.com/modules/ufmfch-120-m.html</p>																		