



MODULE SPECIFICATION

Part 1: Information			
Module Title	Dissertation (masters)		
Module Code	UFMED4-60-M	Level	Level 7
For implementation from	2019-20		
UWE Credit Rating	60	ECTS Credit Rating	30
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engin Design & Mathematics		
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: This is a generic module that is used for a variety of programmes, the programme director (or delegated person) will advise students on appropriate projects to ensure that they relate to the relevant programme.</p> <p>The nature of the research will vary according to the subject which is being addressed. Dissertation topics should focus on some aspect(s) of technology as it is or may be applied in particular contexts, both academic and industrial. Students are encouraged to carry out research that extends their interests in the role of technology in the context of their MSc award route. The core module in Research Methods requires students to develop an initial research proposal and students are expected to evaluate this proposal and determine how to take it forward in their dissertation. This may involve writing a fresh proposal in agreement with their supervisor.</p> <p>Students are expected to carry out an in-depth survey of relevant literature and to undertake some primary research to ensure that their investigation contributes to existing research in the field. The primary research may involve a wide range of activities such as: carrying out a quantitative survey, an evaluative case study or action research study, or developing an experimental piece of software or hardware. The written dissertation should make clear how the</p>

STUDENT AND ACADEMIC SERVICES

primary research was designed and conducted and discussion of the outcomes of primary research should be clearly related to existing literature. The body of the dissertation should be supplemented by a critical review of all aspects of the research process, including the design and production of the report itself.

Teaching and Learning Methods: An initial dissertation proposal will be submitted and evaluated. Guidance will be provided through the research methods module and in the context of the student's particular award. Advice on the use of library and on-line resources will also be given. Each student will be allocated a supervisor who will provide guidance on the subject of investigation and on methods of researching it.

Students will be expected to produce written work which is assessed in terms of its:

Identification of relevant issues for investigation;

Appropriateness of research method(s) to the investigation;

Level of conceptual and/or technical difficulty;

Depth and breadth of secondary research;

Collection and use of primary evidence;

Coherence of argument, logic and quality of conclusions (specific and general);

Quality of writing and presentation;

Accuracy and completeness of citation and listing of references;

Critical appraisal of the research process.

Part 3: Assessment

See Assessment.

First Sit Components	Final Assessment	Element weighting	Description
Dissertation - Component A	✓	100 %	Dissertation
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Dissertation - Component A	✓	100 %	Dissertation

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Part 4: Teaching and Learning Methods																																	
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th style="text-align: left;">Module Learning Outcomes</th> <th style="text-align: left;">Reference</th> </tr> </thead> <tbody> <tr> <td>Appreciated the practical difficulties of conducting a piece of research</td> <td>MO1</td> </tr> <tr> <td>Developed critical language awareness with respect to academic writing</td> <td>MO2</td> </tr> <tr> <td>Extended their knowledge of different approaches to data collection and analysis</td> <td>MO3</td> </tr> <tr> <td>Understood the interrelationship between secondary and primary research</td> <td>MO4</td> </tr> <tr> <td>Understood through practice the purpose of a research proposal</td> <td>MO5</td> </tr> <tr> <td>Evaluate the approach taken in performing primary and secondary research</td> <td>MO6</td> </tr> <tr> <td>Recognise a clear research question or hypothesis</td> <td>MO7</td> </tr> <tr> <td>Synthesise and critically evaluate data from multiple sources</td> <td>MO8</td> </tr> <tr> <td>Collect data using data collection techniques appropriate to the subject area being investigated</td> <td>MO9</td> </tr> <tr> <td>Propose an original and appropriate solution to the subject area being investigated</td> <td>MO10</td> </tr> <tr> <td>Awareness of professional literature</td> <td>MO11</td> </tr> <tr> <td>Communication skills</td> <td>MO12</td> </tr> <tr> <td>Problem formulation and decision making</td> <td>MO13</td> </tr> <tr> <td>Progression to independent learning</td> <td>MO14</td> </tr> <tr> <td>Self-management skills</td> <td>MO15</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	Appreciated the practical difficulties of conducting a piece of research	MO1	Developed critical language awareness with respect to academic writing	MO2	Extended their knowledge of different approaches to data collection and analysis	MO3	Understood the interrelationship between secondary and primary research	MO4	Understood through practice the purpose of a research proposal	MO5	Evaluate the approach taken in performing primary and secondary research	MO6	Recognise a clear research question or hypothesis	MO7	Synthesise and critically evaluate data from multiple sources	MO8	Collect data using data collection techniques appropriate to the subject area being investigated	MO9	Propose an original and appropriate solution to the subject area being investigated	MO10	Awareness of professional literature	MO11	Communication skills	MO12	Problem formulation and decision making	MO13	Progression to independent learning	MO14	Self-management skills	MO15
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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/ufmed4-60-m.html</p>																																

Part 5: Contributes Towards
<p>This module contributes towards the following programmes of study:</p>