



MODULE SPECIFICATION

Part 1: Information			
Module Title	Mathematics, Statistics and Operational Research Project B		
Module Code	UFMFV9-15-3	Level	Level 6
For implementation from	2019-20		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engin Design & Mathematics		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	Mathematics Education Project 2019-20, Mathematics, Statistics and Operational Research Project A 2019-20		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Features: Module Entry Requirements: 80 credits at Level Two or above.</p> <p>Educational Aims: The aim of this module is to provide the student with the opportunity to undertake an in-depth individual investigation in Mathematics, Statistics or Operational Research (these areas are abbreviated to 'Mathematics' in what follows).</p> <p>Outline Syllabus: See Teaching and Learning Methods.</p> <p>Teaching and Learning Methods: Prior to starting the project, in addition to the specification of a particular individual problem for investigation, a project adviser is assigned to the student, the role of whom is to provide guidance and to monitor progress. After undertaking a literature review, the student works on the individual problem. The origin of the investigation might be a problem that has arisen, for example, in a placement, one provided by an academic member of staff, or one suggested by the student.</p> <p>Throughout the project the student meets with their adviser occasionally, and there are also some scheduled group workshops.</p> <p>The first part of the assessment is a short submission to ensure that the student has engaged</p>

STUDENT AND ACADEMIC SERVICES

with their project in a timely manner.

The second part of the assessment, namely the Main Report, is submitted at the end of the second semester, and this is followed by the third part of the assessment, namely the Presentation.

Part 3: Assessment

Component A. There are three separate elements, viz., the Initial Project Proposal, the Report and the Presentation.

The Initial Project Proposal, provides evidence for Learning Outcome One.

The Main Report, provides evidence for Learning Outcomes One, Two and Three.

The Presentation, delivered to a small audience after submission of the report, gives an account of carefully selected parts of the Report.

The Presentation provides evidence for Learning Outcome Four.

First Sit Components	Final Assessment	Element weighting	Description
Written Assignment - Component A		10 %	Initial project proposal
Report - Component A	✓	70 %	Report (final assessment and compulsory pass at 40% or above)
Presentation - Component A		20 %	Presentation
Resit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	75 %	Report (compulsory pass at 40% or above)
Presentation - Component A		25 %	Presentation

STUDENT AND ACADEMIC SERVICES

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>To study and to evaluate selected mathematical literature, this study and evaluation being undertaken at a depth appropriate to Level Three of an honours Mathematics degree programme</td> <td>MO1</td> </tr> <tr> <td>To undertake a personal investigative project in Mathematics</td> <td>MO2</td> </tr> <tr> <td>To write a Mathematics report using appropriate language, notation, style and referencing</td> <td>MO3</td> </tr> <tr> <td>To deliver an oral presentation, using appropriate media and language, in which a coherent account of the key elements of the personal investigative project is given, including responding to questions about the project</td> <td>MO4</td> </tr> </tbody> </table>	Module Learning Outcomes	Reference	To study and to evaluate selected mathematical literature, this study and evaluation being undertaken at a depth appropriate to Level Three of an honours Mathematics degree programme	MO1	To undertake a personal investigative project in Mathematics	MO2	To write a Mathematics report using appropriate language, notation, style and referencing	MO3	To deliver an oral presentation, using appropriate media and language, in which a coherent account of the key elements of the personal investigative project is given, including responding to questions about the project	MO4						
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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/ufmfv9-15-3.html</p>																

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