



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	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engineering Design & Mathematics		
Module Type:	Project		
Pre-requisites	None		
Excluded Combinations	Mathematics Education Project 2020-21, Mathematics, Statistics and Operational Research Project A 2020-21		
Co-requisites	None		
Module Entry Requirements	None		
PSRB 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>

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The first part of the assessment is a short submission to ensure that the student has engaged 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 two separate elements, viz., Initial Presentation (15%) and Report (85%).

The Initial Presentation, which is submitted about two fifths of the way through Semester One, provides the opportunity for students to present the rationale and background to their project together with initial progress. It forms an early feedforward point in the project.

The Report, submitted at the end of Semester Two, is a coherent account of the process and results of the student's individual investigation.

First Sit Components	Final Assessment	Element weighting	Description
Presentation - Component A		15 %	Initial project proposal presentation
Report - Component A	✓	85 %	Report (final assessment and compulsory pass at 35% or above)(max 35 pages (excluding appendices))
Resit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	100 %	Report (compulsory pass at 35% or above)(max 35 pages)

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
	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
Contact Hours	Independent Study Hours:	
	Independent study/self-guided study	130
	Total Independent Study Hours:	130

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	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	20
	Total Scheduled Learning and Teaching Hours:	20
	Hours to be allocated	150
	Allocated Hours	150
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:

Mathematics [Sep][FT][Frenchay][4yrs] MMath 2018-19

Mathematics [Sep][FT][Frenchay][3yrs] BSc (Hons) 2018-19