MODULE SPECIFICATION

Part 1: Information			
Module Title	Foundation Group Project		
Module Code	UFMFHG-15-0	Level	Level 3
For implementation from	2018-19		
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		
Contributes towards	Mathematics with Qualified Teacher Status (QTS) {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19 Robotics {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Robotics {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Mathematics and Statistics {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2018-19 Mathematics and Statistics {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19 Civil and Environmental Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Civil and Environmental Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Mathematics {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2018-19 Mathematics {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19 Mechanical Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng 2018-19 Mechanical Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng 2018-19 Mechanical Engineering {Foundation} [Sep][FT][Frenchay][5yrs] MEng 2018-19 Mechanical Engineering {Foundation} [Sep][SW][Frenchay][6yrs] MEng 2018-19 Automotive Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Automotive Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Automotive Engineering {Foundation} [Sep][FT][Frenchay][5yrs] MEng 2018-19 Automotive Engineering {Foundation} [Sep][SW][Frenchay][6yrs] MEng 2018-19 Aerospace Engineering with Pilot Studies (Design) {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies (Design) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19		

	Aerospace Engineering with Pilot Studies {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies (Manufacturing) {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies (Systems) {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies (Manufacturing) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Aerospace Engineering with Pilot Studies (Systems) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Aerospace Engineering (Design) {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Aerospace Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2018-19 Aerospace Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19 Aerospace Engineering (Manufacturing) {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2018-19
Module type:	Standard

Pre-requisites	None
Excluded Combinations	None
Co- requisites	None
Module Entry requirements	None

Part 2: Description

Educational Aims: See Learning Outcomes.

Outline Syllabus: By a combination of taught and project based learning students will become conversant with:

Group Work: basic principles of group dynamics. Understanding of roles within groups and management of themselves and their peers.

Use of information research skills, library skills, report writing, oral presentation and poster displays including professional standards of referencing.

Use of software tools to model and analyse data as part of project based problems.

Project management: develop an understanding of professional project management to set the foundation of good professional practise.

As the aims of this module are to assist students to develop skills, the specific content of each project may vary and fluctuate to meet the needs of the students.

Teaching and Learning Methods: Scheduled teaching and learning will be based around group projects supported by lectures, project supervision and workshops.

Independent learning includes hours engaged in research, investigation, software practise, analysis and preparation of group reports and presentations.

Hours:
Lectures and tutorials: 36
Assimilation and skill development: 27
Coursework: 72
Presentation preparation: 15
Total: 150

Part 3: Assessment

The assessment strategy is designed to engage and support students through the process of researching, completing and reporting on a group project.

The UWE Library workbook and on line assessment with be used to introduce students to researching and referencing using the library facilities.

Students develop their ability to engage with technical articles, by analysing the constituent parts of a given article and then produce a 300 word summary as an individual exercise.

Understanding of the structure of an article feeds into the group report. Groups select one project from a series of mini group projects completed during the course, to write-up as a 2500 word technical report.

Finally, students prepare a group poster presentation on the problem covered in their group report.

The resit assessment will involve a reflection on group work, an individual report and an individual presentation.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		11 %	Technical article review (300 words)
Report - Component B		56 %	Group project report (2500 words)
Presentation - Component A	✓	25 %	Group presentation
Online Assignment - Component B		8 %	Library workbook (online test)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Report - Component B		56 %	Individual project report (1500 words)
Presentation - Component A	✓	25 %	Individual presentation
Group work - Component B		19 %	Group work reflection exercise (300 words)

Part 4: Teaching and Learning Methods

Learning Outcomes

On successful completion of this module students will be able to:

	Module Learning Outcomes
MO1	Demonstrate effective team working.
MO2	Identify the main issues to be examined and the problems to be solved in the execution of a technical project.
MO3	Demonstrate communication and research skills, use of information sources, technical report writing and presentations.
MO4	Generate data as part of a technical investigation using appropriate computational or experimental techniques.

Contact Hours

Contact Hours	
Independent Study Hours:	
Independent study/self-guided study	114
Total Independent Study Hours:	114
Scheduled Learning and Teaching Hours:	
Face-to-face learning	36
Total Scheduled Learning and Teaching Hours:	36
Hours to be allocated	150
Allocated Hours	150

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/ufmfhg-15-0.html