



Module Specification

Foundation Group Project

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Part 1: Information

Module title: Foundation Group Project

Module code: UFMFHG-15-0

Level: Level 3

For implementation from: 2022-23

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Engineering Design & Mathematics

Partner institutions: None

Delivery locations: Frenchay Campus

Field: Engineering, Design and Mathematics

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

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.

Part 3: Teaching and learning methods

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

Module Learning outcomes: On successful completion of this module students will achieve the following 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.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ufmfhg-15-0.html) via the following link <https://uwe.rl.talis.com/modules/ufmfhg-15-0.html>

Part 4: Assessment

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

Component A

Students prepare a group poster presentation (30min) on the problem covered in their group report. To ensure an inclusive curriculum, students may opt to undertake the alternative individual assessment (15 min presentation) in-place of the group poster presentation.

Component B

Groups select one project from a series of mini group projects completed during the course, to write-up as a 2500 word technical report (55%). To ensure an inclusive

curriculum, students may opt to submit an individual assessment (1000 words) in-
place of the group report after completing the mini group projects with their group.

Students are also a required to complete an individual reflection on group work to
demonstrate understanding of effective group working skills (20%)

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

The resit assessment strategy is the same as the first sit

Assessment components:

Presentation - Component A (First Sit)

Description: Online Group presentation (20 mins)

Weighting: 25 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Report - Component B (First Sit)

Description: Group project report (2500 words)

Weighting: 55 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Reflective Piece - Component B (First Sit)

Description: Group work reflection exercise (300 words)

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1

Online Assignment - Component B (First Sit)

Description: Library workbook (online test)

Weighting:

Final assessment: No

Group work: No

Learning outcomes tested: MO3

Presentation - Component A (Resit)

Description: Individual online presentation

Weighting: 25 %

Final assessment: Yes

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Report - Component B (Resit)

Description: Individual project report (2500 words)

Weighting: 55 %

Final assessment: No

Group work: Yes

Learning outcomes tested: MO1, MO2, MO3, MO4

Reflective Piece - Component B (Resit)

Description: Group work reflection exercise (300 words)

Weighting: 20 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1

Online Assignment - Component B (Resit)

Description: Library workbook (online test)

Weighting:

Final assessment: No

Group work: No

Learning outcomes tested: MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Electronic Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Aerospace Engineering with Pilot Studies {Foundation} [Frenchay] BEng (Hons) 2022-23

Automotive Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Mathematics with Qualified Teacher Status {Foundation} [Sep][FT][Frenchay][3yrs] - Not Running BSc (Hons) 2022-23

Mechanical Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Civil Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Aerospace Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Engineering {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2022-23

Engineering {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2022-23

Aerospace Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Mechanical Engineering {Foundation}[Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Mechanical Engineering {Foundation}[Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Aerospace Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Aerospace Engineering with Pilot Studies {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Aerospace Engineering with Pilot Studies {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Automotive Engineering {Foundation}[Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Automotive Engineering {Foundation}[Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Electronic Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Electronic Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Robotics {Foundation}[Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Robotics {Foundation}[Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Civil and Environmental Engineering {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running BEng (Hons) 2022-23

Civil and Environmental Engineering {Foundation} [Sep][SW][Frenchay][5yrs] - Not Running BEng (Hons) 2022-23

Civil Engineering {Foundation} [Sep][FT][Frenchay][4yrs] BEng (Hons) 2022-23

Civil Engineering {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2022-23

Mathematics {Foundation} [Frenchay] BSc (Hons) 2022-23

Engineering {Foundation} [Frenchay] BSc (Hons) 2022-23

Robotics {Foundation} [Frenchay] BEng (Hons) 2022-23

Mathematics {Foundation}[Sep][FT][Frenchay][4yrs] BSc (Hons) 2022-23

Mathematics {Foundation}[Sep][SW][Frenchay][5yrs] BSc (Hons) 2022-23