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## MODULE DESCRIPTOR

### Module Title

Group Project (Engineering Stage 3) - EEE

Reference	EN3604	Version	1
Created	April 2023	SCQF Level	SCQF 9
Approved	March 2004	SCQF Points	15
Amended	August 2021	ECTS Points	7.5

### Aims of Module

To provide the student with the ability to complete an investigation into an engineering topic and to undertake the associated design, implementation and testing as a member of a project group.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Function effectively as an individual, and as a member or leader of a team.
- 2 Critically evaluate technical literature and other sources of information in solving complex engineering problem proposed in the group project.
- 3 Apply an integrated or systems approach to the solution of complex engineering problem proposed in the group project.
- 4 Communicate effectively on complex engineering matters with technical and non-technical audiences through report writing and oral presentation, evaluating the effectiveness of the methods used in the solution of the proposed group project.
- 5 Use a risk management process in identifying, evaluating, and mitigating risks (the effects of uncertainty) associated with a particular design solution in the group project.
- 6 Adopt an inclusive approach to engineering practice, recognising the responsibilities, benefits, and importance of supporting equality, diversity and inclusion as an effective member of a project group.

### Indicative Module Content

The group project involves task specification, system design, implementation, evaluation and project management. Students should discuss the role of quality management systems within context of their project design. There is no formal syllabus for the group project in general but seminars are used to provide guidance with regard to project management and report writing.

**Module Delivery**

The group project is student-centred. Students are allocated to groups, each of which has a member of academic staff who acts as a supervisor. Regular weekly meetings take place to review progress. All students must maintain a logbook.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	20	20
Non-Contact Hours	130	130
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

If a major/minor model is used and box is ticked, % weightings below are indicative only.

**Component 1**

Type: Coursework Weighting: 100% Outcomes Assessed: 1, 2, 3, 4, 5, 6  
 Description: Portfolio of evidence.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

The module has 1 assessment component and to gain a pass a minimum D grade must be achieved.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A
<b>B</b>	B
<b>C</b>	C
<b>D</b>	D
<b>E</b>	E
<b>F</b>	F
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	Successful completion of SCQF 8 level study, or equivalent.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- Guidance Notes on Group Project Work, School of Engineering. (All students are given guidelines relating to the operation of the project and the structure and content of the report.)
- Required reading is specific to each project.