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## MODULE DESCRIPTOR

### Module Title

MEng Individual Project

Reference	EN5604	Version	4
Created	April 2023	SCQF Level	SCQF 11
Approved	November 2020	SCQF Points	30
Amended	August 2023	ECTS Points	15

### Aims of Module

To provide the student with the ability to undertake a major individual engineering research project and to report the findings of the work.

### Learning Outcomes for Module

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

- 1 Manage a major technical engineering research project producing appropriate project documentations.
- 2 Conduct a focussed literature search and review to acquire an increased depth of understanding of current practice and technologies in the field.
- 3 Undertake a major investigative task to demonstrate comprehensive knowledge and understanding of analytical method and experimental or computational models.
- 4 Carry out in-depth critical analysis of the outcomes and reflect on self-performance.
- 5 Produce a well-structured final project report, incorporating and justifying all aspects of the project work.

### Indicative Module Content

There is no formal syllabus for this module. The project should have research and development-related objectives to deliver a useful outcome relevant to a placement company, a research group or other equivalent scholarly activity. The scope of work must include both technical and non-technical aspects appropriate to the requirements of these stakeholders and the level of course. The final report should display clear evidence of transferrable skills.

### Module Delivery

The project is student-centred. Each student is allocated a member of academic staff who acts as the project supervisor. Students are expected to plan their own project activities and meet with their academic supervisor on a regular basis. Evidence of such meetings should be in the form of signed log book entries.

Indicative Student Workload	Full Time	Part Time
Contact Hours	25	25
Non-Contact Hours	275	275
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	300
Actual Placement hours for professional, statutory or regulatory body		

## ASSESSMENT PLAN

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

### Component 1

Type: Coursework Weighting: 30% Outcomes Assessed: 1  
 Description: Project planning and execution, technical logbook, poster and oral presentation.

### Component 2

Type: Coursework Weighting: 70% Outcomes Assessed: 2, 3, 4, 5  
 Description: Project report.

## MODULE PERFORMANCE DESCRIPTOR

### Explanatory Text

The module has 2 components and to gain an overall pass a minimum D grade must be achieved in each component. The component weighting is as follows: C1 (x-axis) is worth 30% and C2 (y-axis) is worth 70%.

		Coursework:						
		A	B	C	D	E	F	NS
Coursework:	A	A	A	B	B	E	E	
	B	B	B	B	C	E	E	
	C	B	C	C	C	E	E	
	D	C	C	D	D	E	E	
	E	E	E	E	E	E	F	
	F	F	F	F	F	F	F	
	NS	Non-submission of work by published deadline or non-attendance for examination						

## Module Requirements

Prerequisites for Module	Successful completion of SCQF Level 9 study, or equivalent of the MEng programme.
Corequisites for module	None.
Precluded Modules	None.

## INDICATIVE BIBLIOGRAPHY

- 1 School of Engineering EN4600/EN4604 Project Guidelines document. (Guidelines relating to the operation of the project and the structure and content of the report - available on Moodle.)
- 2 Required reading is specific to individual projects.