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MODULE DESCRIPTOR

Module Title

MEng Individual Project

Reference	EN5604	Version	3
Created	June 2022	SCQF Level	SCQF 11
Approved	November 2020	SCQF Points	30
Amended	June 2022	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	Plan and 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.

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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:

Coursework:	A	B	C	D	E	F	NS
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.