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## MODULE DESCRIPTOR

### Module Title

MEng Biomedical Technology Individual Project

Reference	EN4606	Version	1
Created	January 2018	SCQF Level	SCQF 10
Approved	March 2018	SCQF Points	30
Amended		ECTS Points	15

### Aims of Module

To provide the student with the ability to undertake a major individual biomedical technology related 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 Develop, plan and manage a major biomedical technology related research project.
- 2 Formulate the appropriate project specifications, management and review documentation; and record observations in a logbook for review.
- 3 Make a qualitative assessment of the current state of technology by conducting a focussed literature search and review.
- 4 Undertake a major investigative task, using initiative, imagination and creativity; to analyse the outcomes comprehensively, critically and in detail.
- 5 Communicate the project outcomes at an appropriate level of audience by producing a well-structured final project report, incorporating and justifying all aspects of the project work and defend the work in an oral presentation.

### Indicative Module Content

There is no formal syllabus for this module. The project should have biomedical technology related research and development based 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 project should attempt to apply engineering and regulatory knowledge to biomedical problems. 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	N/A
Non-Contact Hours	275	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<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
Description:	Project report with corroborative documentation and oral evidence.				

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

In order to pass the module students must achieve at least a grade D.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	70% and above
<b>B</b>	60-69%
<b>C</b>	50-59%
<b>D</b>	40-49%
<b>E</b>	35-39%
<b>F</b>	34% and below
<b>NS</b>	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.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 School of Engineering 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.