

## MODULE DESCRIPTOR

### Module Title

Group Biomedical Technology Project

Reference	ENM400	Version	2
Created	October 2020	SCQF Level	SCQF 11
Approved	March 2018	SCQF Points	30
Amended	September 2021	ECTS Points	15

### 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 Understand becoming an effective member a project group.
- 2 Evaluate possible solutions to a biomedical technology related problem and select the best approach.
- 3 Design, implement and evaluate the selected solution to a biomedical technology related problem.
- 4 Apply quality assurance regulatory process to seek an approval for the designed biomedical solution and produce a well-structured project report.
- 5 Communicate project work through a presentation as part of a project group.

### Indicative Module Content

The biomedical technology group project involves task specification, system design, implementation, evaluation, project management and application of quality management (ISO 13485) procedures for seeking regulatory approval of designed biomedical device. 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	40	N/A
Non-Contact Hours	260	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**

Component 1 comprises 100% of the module grade. To pass the module, a D grade is required.

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 AS3147 Quality Assurance and Regulations for Industry or equivalent subject.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 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.)
- 2 Required reading is specific to each project.