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MODULE DESCRIPTOR

Module Title

Group Biomedical Technology Project (Stage 3)

| | | | |
|-----------|--------------|-------------|--------|
| Reference | EN3603 | Version | 1 |
| Created | January 2018 | SCQF Level | SCQF 9 |
| Approved | March 2018 | SCQF Points | 15 |
| Amended | | ECTS Points | 7.5 |

Aims of Module

To provide the student with the ability to complete an investigation into a biomedical technology topic and to undertake the associated design, implementation, testing and regulatory approval process 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 of a project group
- 2 Critically evaluate the possible solutions to the biomedical related problems and select the best approach.
- 3 Design, implement and critically evaluate the solutions to a biomedical technology problem, and prepare the documents to seek regulatory approval for biomedical device quality.
- 4 Produce a well-structured project report.
- 5 Communicate the project outcomes through a presentation as part of a project group.

Indicative Module Content

The group project involves biomedical device regulatory approval related task specification, system design, implementation, evaluation and project management. 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 | N/A |
| Non-Contact Hours | 130 | N/A |
| Placement/Work-Based Learning Experience [Notional] Hours | N/A | N/A |
| TOTAL | 150 | 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: | A portfolio with a project report, corroborative regulatory approval documentation and log book. | | | | |

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: |
|--------------|--|
| A | >70% |
| B | 60-69% |
| C | 50-59% |
| D | 40-49% |
| E | 35-39% |
| F | 0-34% |
| NS | Non-submission of work by published deadline or non-attendance for examination |

Module Requirements

| | |
|--------------------------|-------|
| Prerequisites for Module | None. |
| 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.