

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### BIOMEDICAL ENGINEERING

#### Graduate Diploma in Biomedical Engineering

*These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)*

#### Admission

1. See [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

#### Mode of Study

2. The programme is available by full-time study only.

#### Curriculum

All students shall undertake an approved curriculum of no fewer than 120 credits as follows:

#### Compulsory Modules

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| XX4XX       | Graduate Diploma Individual Project | 4     | 20      |

#### Optional Modules

100 credits chosen from the list below:

| Module Code | Module Title                                | Level | Credits |
|-------------|---|-------|---------|
| BE300       | Biomedical Materials                        | 3     | 20      |
| BE301       | Physiological Systems in Health and Disease | 3     | 20      |
| BE302       | Practical Biomechanics                      | 3     | 20      |
| BE401       | Biomedical Electronics                      | 4     | 10      |
| BE404       | Biomedical Instrumentation                  | 4     | 10      |
| BE405       | Sports Injury and Rehabilitation            | 4     | 20      |
| BE424       | Practical Biomechanics 2                    | 4     | 20      |
| BE425       | The Medical Device Regulatory Process       | 4     | 10      |

|       |  |   |    |
|-------|--|---|----|
| BE426 | Medical Robotics                                 | 4 | 10 |
| BE427 | Numerical Modelling in Biomedical Engineering    | 4 | 10 |
| BE428 | Professional Studies and Research Methods in BME | 4 | 20 |

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

3. Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the Individual Project.
4. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year.

### **Award**

5. **Graduate Diploma:** In order to qualify for the award of Graduate Diploma, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits with at least 90 credits from Level 4 or above of which 20 credits must have been awarded in respect of the Individual Project.