FACULTY OF ENGINEERING

DEPARTMENT OF BIOMEDICAL ENGINEERING

MEDICAL TECHNOLOGY

Postgraduate Certificate in Medical Technology

These regulations are to be read in conjunction with General Academic Regulations - Postgraduate Taught Degree Programme Level.

Admission
1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

Duration of Study
2. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

Mode of Study
3. The programme is available by full-time and part-time on-line study.

Curriculum
4. All students shall undertake an approved curriculum as follows:

<u>Compulsory Modules</u>

Module Code	Module Title	Level	Credits
BE918	Professional Studies in Biomedical Engineering	5	10
BE919	Research Methodology	5	10
BE920	The Medical Device Regulatory Process	5	10
Either			
BE911	Engineering Science	5	20
Or			
BE915	Medical Science for Engineering	5	20
Dependent on the academic background of the student and chosen after consultation with the Programme Leader.			

<u>Optional Modules</u>
No fewer than 10 credits from the list below:

Module Code	Module Title	Level	Credits
BE916	Introduction to Biomechanics	5	10
BE902	Prosthetics and Orthotics	5	10
BE901	Regenerative Medicine & Tissue Engineering	5	10
BE900	Tissue Mechanics	5	10
BE909	Biomedical Electronics	5	10
BE904	Clinical and Sports Biomechanics	5	10
BE905	Bio-signal Processing and Analysis	5	10
BE906	Biomaterials and biocompatibility	5	10
BE903	Cardiovascular Devices	5	10
BE908	Biomedical Instrumentation	5	10
BE920	The Medical Device Regulatory Process	5	10
BE923	Haemodynamics for Engineers	5	10
BE924	Medical Robotics	5	10
BE925	Numerical Modelling in Biomedical Engineering	5	10
BE928	Rehabilitation Technology	5	10

Examination, Progress and Final Assessment
5.   See General Academic Regulations - Postgraduate Taught Degree Programme Level.

6.   The final award will be based on performance in the examinations and the coursework.

Award
7.   **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Medical Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits, of which 50 must have been awarded in respect of the compulsory modules.