

FACULTY OF SCIENCE

DEPARTMENT OF MATHEMATICS

MATHEMATICS

Graduate Diploma in Mathematics

Graduate Diploma in Mathematics and Statistics

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

Duration of Study

1. For full-time study, the minimum duration is 9 months, and the maximum is 24 months.
For part-time study, the minimum duration shall be the learning equivalent of the full-time study period taking account of the conditions under which the student will work, the maximum duration is 48 months.

Mode of Study

2. The programmes are available by full-time and part-time study.

Curriculum

3. All full-time students shall undertake modules amounting to 120 credits as follows:

Compulsory Module

Mathematics

Module Code	Module Title	Level	Credits
MM482	Mathematics*	4	120

*MM482 Mathematics comprises modules amounting to 120 credits chosen from lists A and B below

Mathematics and Statistics

Module Code	Module Title	Level	Credits
MM483	Mathematics and Statistics*	4	120

*MM483 Mathematics and Statistics comprises of all List A modules, MM415 Medical Statistics (20 credits) and modules amounting to 60 credits chosen from List B or another module approved by the Programme Director.

Optional Modules

List A

Module Code	Module Title	Level	Credits
-------------	--------------	-------	---------

MM402	Modelling and Simulation with Applications to Financial Derivatives	4	20
MM404	Statistical Modelling and Analysis	4	20
MM407	Applied Statistics in Society	4	20

List B – subject to availability

Module Code	Module Title	Level	Credits
MM403	Applicable Analysis 3	4	20
MM405	Fluids and Waves	4	20
MM406	Finite Element Methods for Boundary Value Problems and Approximation	4	20
MM408	Mathematical Biology and Marine Population Modelling	4	20
MM409	Mathematical Introduction to Networks	4	20
MM411	Elasticity and Complex Materials	4	20
MM412	Optimisation: Theory and Practice	4	20
MM413	Statistical Mechanics	4	20
MM414	Dynamical Models in Epidemiology	4	20

Examination, Progress and Final Assessment

- Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners.

Award

- Graduate Diploma: In order to qualify for the award of Graduate Diploma in in the chosen programme, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits.