FACULTY OF SCIENCE AND HEALTH



Programme Regulations 2019-2020

Programme Title BSc in Actuarial Mathematics

Programme Code ACM

Offered on a full-time or part-time Full-time

basis

<u>Note</u>: Programme Regulations should be read in conjunction with Marks and Standards which can be found at http://www.dcu.ie/registry/examinations/index.shtml

1. Programme Specific Rules and Requirements

1.1 Calculation for the Award Classification

The calculation of the final year award classification includes contributions from previous years' results as follows:

Year/Subject contribution	Contribution to the award classification
Year 2	25%
Year 3	15%
Year 4	60%

1.2 Module Calculation

There are modules on this programme where the module mark will be calculated as the greater of (a) the weighted average of the continuous assessment percentage mark and the terminal examination percentage mark or (b) the terminal examination mark.

These modules are listed below:

Module	Title
MS103	Linear Mathematics I
MS111	Mathematical Concepts and Skills
MS104	Linear Mathematics II
MS113	Integral Calculus
MS114	Sequences and Series
MS205	Calculus of Several Variables
MS217	Linear Algebra
MS231	Analysis

MS211	Introduction to Differential Equations
MS232	Probability II
MS406	Coding and Cryptography
MS408	Probability and Finance II (Intermediate)
MS437	Probability and Finance I (Intermediate)
MS434	Optimisation

2. Derogations from Marks and Standards

A minimum of 40% must be achieved in both the examination and continuous assessment elements for an overall pass in the following modules:

Module Code	Module Title
MS117	Probability I

3. Progression

3.1 Credits for progression

Students must have successfully completed a minimum of 60 credits in a study period in order to progress to the next study period.

Students must successfully complete a minimum of 65 credits in Year 4 to be awarded the BSc in Actuarial Mathematics.

3.2 Carrying of modules

Subject to the approval of the Progression and Award Board, students may be permitted to progress to year 2 in 2020/2021 only, carrying module MS119A where the following criteria are met:

The student repeated year 1 in 2019/2020 and was registered for module MS119A as an additional 5 credit module in academic year 2019/2020 and the student has either deferred or failed both the month 1 and month 8 re-sit attempt in 2019/2020.

Where extenuating circumstances are to be taken into account, these must have been submitted by the student in line with normal procedure.

4. Compensation

Compensation may apply, within the regulations specified in Marks and Standards, to all modules except the following:

Module Code	Module Title
EF113	Introduction to Microeconomics
EF114	Introduction to Macroeconomics
MS117	Probability 1
MS119A	Financial Modelling with Excel
MS255	Statistics 1

AC316	Accounting 1
MS258	Statistics II
EF316	Accounting 2
MS308	Stochastic Modelling
MS318	Financial Mathematics
MS338	Actuarial Modelling
IN314	INTRA ACM
MS427	Financial Economics I
MS449	Risk Theory
MS428	Financial Economics II
MS447	Time Series (Intermediate)
MS448	Life Contingencies

5. Resit Categories

The resit categories of modules on this programme and an explanation of those categories can be found at:

www101.dcu.ie/registry/module contents.php?function=4&programme=ACM

6. Repeat Arrangements

Students repeating CA167 in 2019/20 must register for both module CA167 and MS119.

All other students repeating Year 1 in 2019/20 must complete module MS119A, Financial Modelling with Excel in addition to all other repeat modules.

Students repeating Year 2 in 2020/21 must complete module MS119A, Financial Modelling with Excel in addition to all other repeat modules.

All students commencing Year 3 from 2021/22 onwards must have successfully completed either MS119 or MS119A.