1. **Title of the module**

MAST5170 (MA517) - Corporate Finance for Financial Mathematicians

1. **School or partner institution which will be responsible for management of the module**

School of Mathematics, Statistics and Actuarial Science

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 5

1. **The number of credits and the ECTS value which the module represents**

15 credits (7.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Spring

1. **Prerequisite and co-requisite modules**

Pre-requisite: MAST4003 - Introduction to Finance

Co-requisite: None

1. **The programmes of study to which the module contributes**

BSc (Hons) Financial Mathematics (including programme with a Year in Industry)

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**

8.1 explain and discuss in writing the concepts and elements of corporate finance;

8.2 use appropriate techniques in mathematics to represent and solve problems in finance;

8.3 understand the basic financial management issues and processes in a corporate entity.

1. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**

9.1 use a logical mathematical approach to solving problems and will be able to solve problems in corporate finance using appropriate methods;

9.2 manage their time and work independently;

9.3 demonstrate improved skills in numeracy, problem solving, and written communication.

1. **A synopsis of the curriculum**

This module introduces and explores a range of topics relating to corporate finance which are fundamental to understanding why and how companies raise money to start a business or expand an existing one. The module covers the different ways that the money can be raised, for example from a bank or through a stocks and shares market, and the interest rate or investment return that an investor will expect to receive from a company in order to provide the money required. This is a very practical module to the extent that it will help students develop business awareness in the field of company finance. Reference will often be made to actual happenings in the financial markets in support of the material covered.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

The material is covered by the Actuarial Education Company’s notes for Subject CT2, chapters 1 to 7, 15 to 18. This is not required reading but is available for reference in support of material covered in classes.

1. **Learning and teaching methods**

Total contact hours: 48

Private study hours: 102

Total study hours: 150

1. **Assessment methods**
   1. Main assessment methods

Assessment 1 Exercises, requiring on average between 8 and 12 hours to complete 8%

In-course Test Requiring on average between 4 and 6 hours to prepare 4%

Assessment 2 Exercises, requiring on average between 8 and 12 hours to complete 8%

Examination 2 hours 80%

The coursework mark alone will not be sufficient to demonstrate the student’s level of achievement on the module.

13.2 Reassessment methods

Like-for-like

1. **Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 |
| **Learning/ teaching method** |  |  |  |  |  |  |
| Private Study | **X** | **X** | **X** | **X** | **X** | **X** |
| Lectures/Exercise classes | **X** | **X** | **X** | **X** |  | **X** |
| **Assessment method** |  |  |  |  |  |  |
| Examination | **X** | **X** | **X** | **X** | **X** | **X** |
| Coursework | **X** | **X** | **X** | **X** | **X** | **X** |
| In-course test | **X** | **X** | **X** | **X** |  | **X** |

1. **Inclusive module design**

The School recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **Internationalisation**

This module covers key principles, theories and concepts of finance that are used in a global environment. Mastery of the subject-specific learning outcomes, 8.1 to 8.3, will equip students to apply these principles, theories and concepts in a wide range of international contexts. The module team is drawn from the School of Mathematics, Statistics and Actuarial Science, which includes many members of staff with international experience of teaching, research collaboration and of working within the financial sector.

Examples covering various international economic/financial frameworks are included in the module where appropriate.

**FACULTIES SUPPORT OFFICE USE ONLY**

**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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Revised FSO Jan 2018