

## Programme Specification

### MSc in Financial Engineering

For students entering in September 2018

PFTFINENGM / PFTZFENG1YHM

**This document sets out key information about your Programme and forms part of your Terms and Conditions with the University of Reading.**

Awarding Institution	University of Reading
Teaching Institution	University of Reading
Length of Programme	9 months or 12 months
Accreditation	
Programme Start Dates	September

#### Programme information and content

The aim of the programme is to prepare graduates for a career in financial engineering. The programme will provide participants with the opportunity to develop the skills necessary to price and trade different types of derivatives and demonstrate their understanding of derivatives markets for equities, foreign exchange, interest rates and credit risk.

#### Module information

The programme comprises of 180 credits, allocated across a range of compulsory and optional modules. Compulsory modules are listed.

#### Compulsory Modules:

Module	Name	Credits	Level
ICM103	Quantitative Methods for Finance	20	7
ICM107	Securities, Futures and Options	20	7
ICM108	Fixed Income and Equity Investments	20	7
ICM112	C++ for Financial Engineering	10	7
ICM127	Stochastic Calculus and Probability	20	7
ICM286	Advanced Derivatives Modelling	20	7
ICM292	Derivatives Modelling	20	7
ICM299	Numerical Methods for Financial Engineering	20	7

#### Compulsory text:

Students must choose option modules so as to complete a total of 180 credits. A complete list of option modules is available from the Programme Director, and a list of current

options can be found in the relevant Programme Handbook. There is no guarantee that in any one year all modules will be available. New option modules may also be added.

Students on the 12 month version of the programme must select at least one module running in the Summer Term.

### **Part-time or flexible modular arrangements**

This programme is only available on a full-time basis.

### **Additional costs of the programme**

There are no textbooks which you must buy and students are encouraged to discuss the purchase of textbooks or other resources with the module convenor before purchasing. Some books may be available second-hand, which will reduce costs.

A range of resources to support your curriculum, including textbooks, electronic resources and computer facilities, are available through the Central Library and the Business School Academic Resource Centre.

Printing and photocopying facilities are available on campus at a cost per A4 page of £0.05 (black and white) and £0.30 (colour). Essential costs in this area will be low as most coursework is submitted electronically. Costs are indicative and may vary according to optional modules chosen and are subject to inflation and other price fluctuations.

### **Optional modules:**

The optional modules available can vary from year to year. An indicative list of the range of optional modules for your Programme is set out in the Further Programme Information. Details of any additional costs associated with the optional modules, will be made available to you prior to the beginning of the programme. Entry to optional modules will be at the discretion of the University and subject to availability. Although the University tries to ensure you are able to take the optional modules in which you have expressed interest this cannot be guaranteed.

### **Placement opportunities**

There are currently no opportunities to study abroad or to undertake a placement.

### **Teaching and learning delivery:**

Teaching is organised in modules. The method of delivery varies among modules, especially in terms of the proportions of time allocated to lectures, seminars and case studies.

The programme is taught over two 11-week terms.

Part 1 begins at the beginning of Welcome Week in

September of each year. Examinations for Part 1 modules are held in Week 1 of the following spring term.

Part 2 occupies 9 weeks of the spring term and 2 weeks at the beginning of the summer term.

Examinations for Part 2 are normally held in May.

Total study hours for your programme will be 1800 hours. The contact hours for your programme will depend upon your module combination; an average for a typical set of modules on this programme is 243 hours.

In addition to your scheduled contact hours, you will be expected to undertake guided independent study. Information about module contact hours and the amount of independent study which a student is normally expected to undertake for a module is indicated in the relevant module description.

### **Accreditation details**

N/A

### **Assessment**

All modules are part-assessed via a multiple-choice test or coursework that can take a variety of forms. Assessment may involve a written or multiple-choice type examination. One exception is the C++ for Financial Engineering module which is fully assessed by coursework.

### **Progression**

#### **Part-time and modular progression requirements**

N/A

### **Classification**

The University's taught postgraduate marks classification is as follows:

#### **Mark Interpretation**

70 - 100% Distinction

60 - 69% Merit

50 - 59% Good standard (Pass)

#### **Failing categories:**

40 - 49% Work below threshold standard

0 - 39% Unsatisfactory Work

#### *For Masters Degree*

To qualify for **Distinction**, students must

- (i) gain an overall average of 70 or more over 180 credits; and
- (ii) a mark of 60 or more for the dissertation; and

- (iii) the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iv) students must not have any mark below 40.

To qualify for **Merit**, students must

- (i) gain an overall average of 60 or more over 180 credits; and
- (ii) a mark of 50 or more for the dissertation; and
- (iii) the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iv) students must not have any mark below 40.

To qualify for **Passed**, students must

- (i) gain an overall average of 50 or more over 180 credits; and
- (ii) a mark of 50 or more for the dissertation; and
- (iii) the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iv) the total credit value of all modules marked below 40 must not exceed 30 credits.\*

*For PG Diploma*

To qualify for **Distinction**, students must

- (i) gain an overall average of 70 or more over 120 credits; and
- (ii) In addition, the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iii) students must not have any mark below 40.

To qualify for **Merit**, students must

- (i) gain an overall average of 60 or more over 120 credits; and
- (ii) the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iii) students must not have any mark below 40.

To qualify for **Passed**, students must

- (i) gain an overall average of 50 or more over 120 credits; and
- (ii) the total credit value of all modules marked below 50 must not exceed 55 credits; and
- (iii) the total credit value of all modules marked below 40 must not exceed 30 credits.\*

*For PG Certificate*

To qualify for a **Postgraduate Certificate**, students must

- (i) gain an overall average of 50 or more over 60 credits; and
- (ii) the total credit value of all modules marked below 40 must not exceed 10 credits.\*

\*The provision to permit a candidate to be passed overall with a profile containing marks below 40 is made subject to the condition that there is evidence that the candidate applied his or herself to the work of those modules with reasonable diligence and has not been absent from the examination without reasonable cause.

