1. **Title of the module**

BUSN9060 (CB9060) Finance with Excel

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

Kent Business School

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

Level 7

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)**

Autumn or Spring

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

None

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

MSc Finance (Financial Markets); MSc Finance (International Banking and Finance)

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

8.1 perform essential financial calculations using Microsoft Excel;

8.2 use Excel statistical and probabilistic functions and features for financial applications;

8.3 carry out bond-related calculations using Excel;

8.4 use Excel for stock analysis;

8.5 use Excel for portfolio optimization;

8.6 implement well-known derivatives models into Excel.

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

9.1 set-up a professional Microsoft Excel spreadsheet;

9.2 translate theoretical problems or models into spreadsheet applications;

9.3 present and analyse real market data;

9.4 understand and correctly interpret financial results obtained using Excel;

9.5 use Microsoft Excel functions as well as other important features for financial applications.

1. **A synopsis of the curriculum**

This module provides a general introduction to the use of Microsoft Excel in financial applications.

Indicative subjects are:

Excel Essentials

Basic Financial Calculations with Excel (PV and FV, with applications to stock valuation; building loan tables)

Essential Probability and Statistics with Excel

Bond & Stock Analysis (bond pricing, duration and convexity, the yield curve, stock valuation using the DDM)

Portfolio Optimization (building efficient frontiers; constrained optimization)

Derivatives Modelling in Excel

Advanced Modelling: VBA for Financial Applications

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

Benninga, S. (2008) Financial Modelling, third edition, MIT Press.

Alexander, C. (2008) Market Risk Analysis, Vol 1: Quantitative Methods in Finance, Wiley.

Holden, C.W. (2012) Excel Modelling in Investments, fourth edition, Pearson.

Jackson, M. and M. Staunton (2001) Advanced Modelling in Finance using Excel and VBA, Wiley.

1. **Learning and teaching methods**

Total contact hours: 36

Private study hours: 114

Total study hours: 150

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

Individual Coursework (2500 words) (30%)

Excel Based Project (70%)

13.2 Reassessment methods

Reassessment Instrument: 100% coursework

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* | *8.4* | *8.5* | *8.6* | *9.1* | *9.2* | *9.3* | *9.4* | *9.5* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |
| Private Study |  |  | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |  |
| Lectures |  | **X** | **X** | **X** | **X** | **X** | **X** |  |  | **X** |  |
| Computer labs | **X** | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** | **X** |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |
| Excel Project | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Coursework | **X** | **X** | **X** | **X** | **X** | **X** | **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**

Finance is an international language and associated quantitative techniques will reflect this. The intended learning outcomes are applicable worldwide as part of the universal principles of Finance. With regard to subject content, the material within the syllabus has been developed for use within an international educational setting for students who will apply financial theories in a wide range of international contexts. The reading list also has references to international research. Our international teaching team is also diverse and international. Our support for students in KBS is also internationally attuned, given our international student body.

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

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| --- | --- | --- | --- | --- |
| 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