1. **Title of the module**

BUSN6002 (CB6002) 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 6

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**

BUSN6001 Fixed Markets and Instruments

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

BA Accounting & Finance and associated programmes

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

8.1 demonstrate systematic understanding of key aspects of the use of Excel to solve financial problems;

8.2 demonstrate their ability in calculation and manipulation and capability to deploy accurately established approaches to analyse and solve problems in the following financial areas: Basic financial calculations, Monte Carlo simulation, Bond valuation, Derivative modelling and portfolio analysis;

8.3 systematically apply key aspects of Excel for finance in well-defined contexts, showing judgement in the selection and application of tools and techniques;

8.4 demonstrate conceptual understanding of the advantages and disadvantages of financial approaches in project and asset valuation and in portfolio analysis.

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

9.1 make competent use of information technology skills and demonstrate an increased level of skill in numeracy and computation;

9.2 manage their time and use their organisational skills to plan and implement efficient and effective modes of working;

9.3 communicate straightforward arguments and conclusions reasonably accurately and clearly.

1. **A synopsis of the curriculum**

This module will examine how Excel can be used for financial data analysis.

A brief revision of each financial concept will be presented. The syllabus will typically cover:

***Introduction to Excel****:*

* Basic functions, mathematical expressions

***Data Analysis with Excel:***

* Data analysis, charts, solver, goal seek, pitot tables and pivot charts

***Financial Valuation:***

* Applications of time value of money
* Applications of capital budgeting techniques in Excel (IRR, NPV, Scenario Analysis, Monte Carlo simulation)
* Company Valuation Models

***Portfolio Analysis and Security Pricing:***

* Portfolio models, calculations of efficient portfolios, variance-covariance matrix
* Beta coefficient estimations and security market line
* Bond Valuations
* Binomial option pricing, Black-Scholes model.

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

Benninga, S. (2008) *Financial Modelling*, 3rd edition. Cambridge, Mass.: MIT Press.

Benninga, S. (2010) *Principles of Finance with Excel*. Oxford: Oxford University Press.

Holden, C.W. (2012) *Excel Modelling in Investments*. 4th edition, London: Pearson.

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

1. **Learning and teaching methods**

Total contact hours: 34

Private study hours: 116

Total study hours: 150

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

Individual Report - 1000 words (30%)

Individual Excel Based Report 2 (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* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |
| **Private Study** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Lectures* | **x** | **x** | **x** | **x** |  |  | **x** |
| *Labs* | **x** | **x** | **x** |  | **x** |  |  |
| **Assessment method** |  |  |  |  |  |  |  |
| *Individual report* | **x** |  | **x** |  | **x** | **x** | **x** |
| *Excel report* | **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**

Financial modelling is considered one of the most important tools for decision making across the world. The financial part of the syllabus aims to securities and bonds, the two most active financial markets in global level while project valuation is faced by every company. Being able to solve these problems using Excel which available and used in the majority of labs across the world will have international connotations.

**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.**

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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