COURSE OUTLINE

(1) GENERAL

SCHOOL	Economics and Political Sciences		
ACADEMIC UNIT	Economics		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	FIN467	**SEMESTER**	7th
COURSE TITLE	Financial Models for Business Decisions		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures / Workshops	3	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Specialisation in Finance
PREREQUISITE COURSES:	Managerial Economics, Statistics I, Introduction to Informatics, Corporate Finance, Accounting I
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	http://eclass.uoa.gr/courses/ECON144/

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

This advanced course in finance aims to consolidate the process of making business decisions through applications and the use of computers. It can be considered as a continuation of the course *Corporate Finance*, but the emphasis is on the art of model construction in general, and financial modeling in particular. The use of the software program **Excel** provides the opportunity for applications on personal computers.

Upon successful completion of the course, the student will be able to:

- Understand the importance and necessity of modeling in supporting business decision-making.
- Construct a model graphically.
- Construct a model mathematically by creating appropriate relationships among variables and linking them together.
- Adhere to the principles of economic logic and to the constraints arising from accounting, taxation, and market rules through modeling.

- Use models for a variety of purposes and decision-making needs such as forecasting, pro forma financial statements, financing needs, cash budgeting, and financial planning.
- Utilize the capabilities of Excel to manage and analyze risk and uncertainty through sensitivity analysis, scenario analysis, and Monte Carlo simulation techniques.
- Apply modeling to situations of increased complexity and higher requirements.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
……
Others…
…….

Search for, analysis and synthesis of data and information
Decision-making

(3) SYLLABUS

1. Introduction
2. Graphical Construction of Models
3. Mathematical Construction of Models
4. Modeling with Excel
5. Financial Analysis of Firms
6. Forecasting
7. Budgeting
8. Probability Distributions
9. Monte Carlo Simulation
10. Investment Planning
11. Case Studies

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	In class
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Presentation of lectures in PowerPoint format Use of Excel in laboratory exercises Support of the learning process through the e-class electronic platform (upload of lectures, notes, exercises, past exam papers, and announcements)
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of*	

Activity	*Semester workload*
Lectures	50
Exercises	50
Independent study	75

non-directed study according to the principles of the ECTS		
	Course total	**175**
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	Due to the nature of the course, which combines continuous alternation between theory and practice and requires the use of personal computers, attendance is compulsory. The final examination grade contributes 60% of the total mark, while two (2) assignments, attendance, and overall participation contribute 40%. The final examination will be conducted on computers.	

(5) ATTACHED BIBLIOGRAPHY

Nikolaos Th. Mylonas, *Financial Models for Business Decisions*, Typothito–George Dardanos Publications, Athens, 2012.