COURSE OUTLINE

GENERAL

SCHOOL	NATURAL SCIENCES					
DEPARTMENT	MATHEMATICS					
LEVEL OF COURSE	UNDERGRADUATE					
COURSE CODE	MAT_OR464 SEMESTER OF STU			7 th		
COURSE TITLE	PRINCIPLES	OF ECONOMI	CS FOR ENGI	S FOR ENGINEERS & SCIENTISTS		
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			TEACHING HOURS PER WEEK		ECTS CREDITS	
Lectures and Tutorials			4		6	
Add rows if necessary. The organisation of methods used are described in detail at (a						
COURSE TYPE general background, special background, specialised general knowledge, skills development	Elective course					
PREREQUISITE COURSES:						
TEACHING AND ASSESSMENT LANGUAGE:	Greek					
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No					
COURSE WEBPAGE (URL)	https://eclass.upatras.gr/courses/ECON1238/					

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
- \bullet Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

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

- Understand key economic notions
- Describe basic microeconomic behavior of consumers and firms
- Identify and describe fundamental macroeconomic measures
- Recognize the influence of basic macroeconomic developments of business aspects
- Understand the role and the process of technological innovation
- Grasp and define entrepreneurship types
- Understand and use basic tools of investment projects evaluation



General Abilities

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 Project planning and management information, with the use of the necessary technology Respect for difference and multiculturalism Respect for the natural environment Adapting to new situations

Decision-making Showing social, professional and ethical responsibility and sensitivity to gender Working independently

Team work Criticism and self-criticism

Working in an international environment Production of free, creative and inductive thinking

Working in an interdisciplinary environment Others... Production of new research ideas

Ability to grasp the effects of economic and financial developments on technical and engineering

Ability to interact with others in problem solving related to business issues

Study skills needed for continuing professional development.

Furthermore, by the end of the course students will have developed the following general abilities (from the list above):

- Seeking and analysis of information along with the use of the appropriate methodological approaches
- **Decision** making

Working in interdisciplinary context

3. COURSE CONTENT

The course is a general introduction in micro and macroeconomics. In addition, some basic elements of the economics of innovation and investments analysis are included. The following sections compose the body of the course:

- The fundamental economic problem
- Consumer's Behavior
- Firms' production and costs
- Demand and Supply
- Elasticities, endogenous and exogenous shocks
- **Competition and Business Strategies**
- **Key Macroeconomic measures**
- The role of state intervention and the open economies
- Aspects of innovation and entrepreneurship

Basic elements of investment projects evaluation



4. TEACHING AND LEARNING METHODS - ASSESSMENT

	TEACHING METHOD Face-to-face, Distance learning, etc	Lectures (face to face)				
	USE OF INFORMATION AND	ICT in teaching and communication with students (e-class)				
	COMMUNICATION TECHNOLOGIES					
	Use of ICT in teaching, laboratory education,					
	communication with students			_		
	TEACHING ORGANIZATION	Activity	Semester workload	ì		
	The manner and methods of teaching are	Lectures	26	ì		
	described in detail.	Tutorials	26	ı		
	Lectures, seminars, laboratory practice,			ı		
	fieldwork, study and analysis of bibliography,	Hours of personal study by the student	94	ı		
	tutorials, placements, clinical practice, art	, , , , , , , , , , , , , , , , , , , ,		ı		
	workshop, interactive teaching, educational visits, project, essay writing, artistic creativity,	Intermediate examination	2	ì		
	etc.	Final examination	2	ı		
	The student's study hours for each learning			ı		
	activity are given as well as the hours of non-			ı		
	directed study according to the principles of	Total number of hours for the Course		ı		
the ECTS		(25 hours of work-load per ECTS credit)	150			
		122 2010 of the in the per 2010 electry				
	STUDENT ASSESSEMNT			_		
	Assessment Language: Greek					

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.

Assessment Language: Greek

Assessment Language for Erasmus students:

Assessment methods:

Written examination based which includes:

- Questions of multiple choice type
- Questions of short answer type

Minimum passing grade: 5
Maximum passing grade: 10

5. RECOMMENDED LITERATURE

Begg, D. (2006). Introduction to Economics. (Greek language translation: Εισαγωγή στην Οικονομική. Εκδόσεις: Κριτική)

Mankiw, N. G. (2001). Principles of Economics (Greek language translation: Αρχές της Οικονομικής. Εκδόσεις: Τυπωθήτω).

Additional reading material is accessible at (e-class): https://eclass.upatras.gr/courses/ECON1238/

