

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF SCIENCES		
ACADEMIC UNIT	DEPARTMENT OF MATHEMATICS		
LEVEL OF STUDIES	UNDERGRADUATE PROGRAM		
COURSE CODE		SEMESTER	G
COURSE TITLE	MICROECONOMICS I		
INSTRUCTOR			
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
		3	6
COURSE TYPE	Special background		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	http://www.math.aegean.gr/index.php/en/academics/undergraduate-programs		

(2) LEARNING OUTCOMES

Learning outcomes
The aim of the course is to bring the student into an adequate first introduction to the concepts of rational choice, perfect competition, demand and supply, balance and social well-being. It also becomes necessary for this introduction to include mathematical concepts in a simplified form, optimization problems, convex sets and function properties. The form of the course ensures the successful attendance of more advanced Microeconomics courses but mainly the attendance of courses related to Financial and Actuarial Mathematics where the choices often take the form of a problem related to the preferences of the economic units and the constraints they face.
General Competences
Search, analysis and synthesis of data and information, using the necessary technologies. Decision making. Autonomous work.

(3) SYLLABUS

Instruments of economic analysis. Markets, supply and demand. Consumer behavior and producer behavior. Market structure, production costs and competition. Uncertainty, economics of risk. Public sector, welfare.	
TEACHING MATERIAL DISTRIBUTION	The teaching material of the course is uniformly distributed during the semester.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none"> • Use of ICT in teaching • Communication with students via e-mail • Uploading course material on moodle system. 	
TEACHING METHODS	Activity	Semester workload
	Lectures	26

	Laboratory practice	26
	Independent study	98
	Course total (25 per ECTS)	150
COURSE COMMITMENTS	Attending course is not obligatory.	
STUDENT PERFORMANCE EVALUATION	Student's evaluation is done in Greek through a written examination which includes problem solving and laboratory work. For students with disabilities, evaluation takes place via oral exam.	

(5) ATTACHED BIBLIOGRAPHY

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| <ol style="list-style-type: none"> 1. Microeconomic Theory, W. Nicholson, Editions Kritiki, 2008. 2. Topics in Analysis and General Equilibrium Theory, I.A. Polyrakis, Self-Published, 2009. |
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