



ESOGÜ Electrical-Electronics Engineering Department

COURSE CODE: 15122XXXX

COURSE TITLE:

Economics

Semester	Weekly Hours		COURSE			
	Theoretical	Practical	Credits	ECTS	Type	Language
5	3	0	3	4	Compulsory (X) Elective ()	Turkish () English (X)
Write the credit (for non-credit courses weekly hours) below (If necessary distribute the credits.).						
Math and Basic Science			Electrical Engineering [mark (Ö) if there is high design content]		General Education	Humanities
			0 ()			3
Assessment			THEORETICAL-PRACTICAL COURSES			LABORATORY COURSES
			Type	Number	%	Activity Type
Midterm			Midterm	1	40	Quiz
			Quiz			Lab performance
			Homework			Report
			Project			Oral exam
			Other (Laboratory)			Other (.....)
Final				1	60	
Makeup exam (Oral/Written)						
Prerequisites			-			
Brief content of the course			Fundamentals of economics.			
Objectives of the course			The purpose of this course is to help students learn the fundamental lessons of economics and to show how such lessons can be applied to the real world in which they live.			
Contribution of the course towards professional education			By the end of the course students will be able to: <ol style="list-style-type: none"> 1. Learn basic economic concepts. 2. Understand scarcity. 3. Understand the role of trade among nations 4. Think analitically 5. Define benefits and costs of their actions 6. Understand the role of government in the economy 7. Design and evaluate economic policies 8. Learn market types and their working principles 9. Know consumer and producer behavior under different circumstances 10. Understand why standart of living is different among nations 11. Understand basic macroeconomic topics 			
Outcomes of the course						
Textbook of the course			Mankiw, N. Gregory (2001). <i>Principles of Economics</i> , Second Ed. Harcourt College Publishers, New York.			
Other reference books			Tucker, Irvin B. (1997). <i>Economics</i> , West Publishing Company, New York. Stroup, R. L. And Gwartney J. D. And Others (2003). <i>Economics</i> , Tenth Ed. Thomson. New York.			
Required material for the course						

WEEKLY PLAN OF THE COURSE	
Week	Topics
1	Ten principles of economics, thinking like an economist
2	Interdependence and the gains from trade
3	The market forces of supply and demand
4	Elasticity and its application
5	Supply, demand and government policies
6	Consumers, producers, and the efficiency of markets
7	The costs of taxation
8	Midterm
9	Midterm
10	Firms in competitive markets
11	Monopoly, oligopoly and monopolistic competition
12	The markets for the factors of production
13	Measuring a nation's income and measuring the cost of living,
14	The monetary system; unemployment and inflation; and open-economy macroeconomics.
15,16	Final

NO	OUTCOMES OF THE PROGRAMME	4	3	2	1
1	Adequate knowledge of mathematics, science and Electrical and Electronics Engineering; ability to practice theoretical and practical knowledge of these areas into modeling and solving problems of Electrical and Electronic Engineering				X
2	Ability to identify, formulate and solve complex engineering problems in Electrical and Electronics Engineering and related fields, having skills to select and apply appropriate analysis and modelling methods for this purpose.				X
3	Having skills to design a complex system, process, equipment or product that should work under realistic conditions and constraints and satisfy specific requirements; ability to apply modern design methods for this purpose.				X
4	Having skills to develop, select and apply modern techniques and tools needed for applications in Electrical and Electronics Engineering, skills to use information technology effectively.				X
5	Skills to design and conduct tests, collect data, analyze and interpret the results for investigation of problems in Electrical and Electronics Engineering				X
6	Ability to function effectively as an individual and as a member of teams within the discipline and in multidiscipline areas.				X
7	Communicating effectively in oral and written form both in Turkish and English. Effective report writing and understanding written reports, preparing design and manufacturing reports, making effective presentations, skills to give and receive clear and concise instructions.				X
8	Awareness of the necessity of lifelong learning, access to information, monitoring developments in science and technology and the ability to self-renewing		X		
9	Understanding of professional and ethical responsibility			X	
10	Information on project management, change management and risk management practices in business, awareness on entrepreneurship, innovation and sustainable development.			X	
11	Information about universal and social effects of engineering applications on health, safety and environment; awareness of the legal consequences of engineering solutions.			X	

Scale for assessing the contribution of the course to the program outcomes:

4: High

3: Medium

2: Low

1:None

Name of Instructor(s): Prof. Dr. İnci PARLAKTUNA

Signature(s):

Date: