



ESOGÜ Electrical-Electronics Engineering Department

COURSE CODE: 151227437 - 151247437

COURSE TITLE: Economics

Semester	Weekly Hours		COURSE			
	Theoretical	Practical	Credits	ECTS	Type	Language
7	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 (√) if there is high design content]		General Education		Humanities
		0 ()				3
Assessment		THEORETICAL-PRACTICAL COURSES			LABORATORY COURSES	
		Type	Number	%	Activity Type	Number
Midterm		Midterm	1	40	Quiz	
		Quiz			Lab performance	
		Homework			Report	
		Project			Oral exam	
		Other (.....)			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		<p>By the end of the course students will be able to:</p> <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

Contribution of the course to the program outcomes

NO	OUTCOMES OF THE PROGRAMME	4	3	2	1
1	Adequate knowledge of mathematics, science and Electrical and Electronic 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 complex engineering problems in Electrical and Electronic Engineering and related fields, for this purpose having skills to formulate, select and apply appropriate methods.				X
3	Having skills to apply modern design methods to design a complex system, equipment or product that should work under realistic conditions and constraints and satisfy specific requirements concerning the Electrical and Electronic Engineering.				X
4	Having skills to develop, select and apply modern techniques and tools needed for Electrical and Electronic Engineering applications, skills to use information technology effectively.				X
5	Skills to design and conduct tests, collect data, analyze results, and interpret data for the experimental investigation of Electrical and Electronic Engineering problems				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.				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, awareness on entrepreneurship, innovation and sustainable development.			X	
11	Information about universal and societal 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):

Signature(s):

Date: