ESOGU ELECTRICAL-ELECTRONICS ENGINEERING DEPARTMENT
COURSE INFORMATION FORM

Course Title	Course Code
Economics	151225413

Semester in Program	Number of Course Hours per Week		ECTS Credit
	Theory	Practice	
5	3	0	3

Course ECTS Credit Distribution				
Basic Sciences	Engineering Sciences	Design	General Education	Social
				X

Language of Instruction	Course Level	Course Type
English	Undergraduate	Required

Prerequisite	
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.
Brief Course Content	Fundamentals of economics.

	Learning Outcomes of the Course	Contributed POs	Teaching Methods *	Assessment Methods **
1	Applying marginal thinking in every given situation.	8, 10	1, 2, 5, 7	A, D
2	Understanding the concepts of production possibilities curve, opportunity cost, comparative and absolute advantage and then applying them in a simple trading model.	8, 10	1, 2, 5, 6, 7	A, D
3	Explain simple supply and demand analysis for any market and analyze the possible effects of government price policies.	8, 10	1, 2, 5, 7, 8	A, D
4	Understanding the link between flexibility and tax burden.	8, 9, 10	1, 2, 5, 7, 8	A, D
5	To analyze the level of social welfare using supply and demand analysis.	8, 10	1, 2, 5, 7	A, D
6	To explain the decision-making process of companies in a competitive market.	8, 10	1, 2, 5, 7	A, D
7	Define and explain information about macroeconomics.	8, 9, 10	1, 2, 5, 7	A, D
8	Understanding the concepts of GDP, price level, inflation and unemployment.	8, 9, 10	1, 2, 5, 7	A, D
9	To describe the aggregate supply and aggregate demand curve shapes, to know when and how to shift these curves, and to determine the new equilibrium point of the model.	8, 10	1, 2, 5, 7	A, D
10	Explain the trade-off between inflation and unemployment using the aggregate supply and aggregate demand model.	8, 10	1, 2, 5, 7	A, D

***Teaching Methods** **1:**Lecture, **2:**Discussion, **3:**Experiment, **4:**Simulation, **5:**Question-Answer, **6:**Tutorial, **7**:Observation, **8**:Case Study, **9:**Technical Visit, **10:**Problem Solving, **11:**Induvidual Work, **12**:Team/Group Work, **13**:Brain Storm, **14:**Project Design / Management, **15:**Report Preparation and/or Presentation

****Assessment Methods** **A:**Exam, **B:**Quiz, **C:**Oral Exam, **D:**Homework, **E:**Report, **F:**Article Examination, **G:**Presentation, **I:**Experimental Skill, **J:**Project Observation, **K**:Class Attendance; **L**:Jury Exam

Main Textbook	Mateer ve Coppock, "Principles of Economics"
Supplementary Resources	All introductory economics books
Necessary Course Material	

Course Weekly Schedule	
1	Definition and general concepts of economics
2	Scarcity, choice and utility
3	Supply, demand and applications
4	Production and Costs
5	Markets, factor markets and factor incomes
6	Markets, factor markets and factor incomes
7	Tax and Elasticity
8	Mid-Term Exams
9	Transition from microeconomics to macroeconomics
10	GDP accounting
11	Determination of GDP
12	Macroeconomic balance
13	Fiscal policy and total expenditures
14	Money and banking
15	Monetary theory and policy
16,17	Final Exams

Calculation of Course Workload			
Activities	**Count**	**Time (Hour)**	**Total Workload (Hour)**
Weekly classroom time	14	14	14
Weekly study time (review, reinforcing, preparation)	14	7	7
Homework	6	3	3
Taking a quiz			
Studying for a quiz			
Oral exam			
Studying for an oral exam			
Report writing (Preparation and presentation time included)			
Project (Preparation and presentation time included)			
Presentation (Preparation time included)			
Mid-Term Exam	1	0.5	0.5
Studying for Mid-Term Exam	1	5	5
Final Exam	1	0.5	0.5
Studying for Final Exam	1	5	5
		Total workload	**35**
		Total workload / 30	**1.16**
		Course ECTS Credit	**3**

Assessment	
Activity Type	**%**
Mid-term	40
Quiz	20
Homework	
Final Exam	40
Total	100

COURSE CONTRIBUTION TO THE PROGRAM OUTCOMES (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low)		
NO	**PROGRAM OUTCOMES**	**Contribution**
1	a. Sufficient knowledge of mathematics	
	b. Sufficient knowledge of basic sciences	
	c. Sufficient basic engineering and Electrical-Electronics engineering knowledge	
	d. Skill of applying all these knowledge and experience to complicated Electrical-Electronics engineering problems	
2	Skill of defining, identifying, formulating and solving the complicated problems in Electrical-Electronics engineering and related areas by applying appropriate analysis and modelling methods.	
3	Skill of designing a complicated process, system, equipment or product by applying modern design methods under realistic constraints and conditions.	
4	To analyze and solve the complicated engineering problems: a. skill of developing, selecting and applying the required techniques and devices	
	b. skill of using information technologies effectively	
5	To study the complicated on the complicated Electrical-Electronics engineering problems and research subjects: a. skill of experimental design	
	b. skill of performing the experiments, collecting the data and analyzing and interpreting the results	
6	a. Skill of performing individual studies	
	b. Skill of performing intra and interdisciplinary and multidisciplinary teamwork and studies	
7	a. Skill of effective oral and written communication in Turkish and English	
	b. Skill of improving and using foreign language knowledge	
	c. Skill of effective reporting, understanding the reports and preparing the design and production reports	
	d. Skill of effective presentation and giving and getting clear and understandable instructions.	
8	Awareness of the necessity of life-long learning and skill of accessing to information and following the improvements in contemporary science and technology	3
9	a. Awareness of necessity of behaving in accordance with the ethical principles and awareness of the importance of having professional ethical responsibilities	2
	b. Knowledge about legal regulations and standards of engineering	
10	a. Knowledge about project management, risk management and change management	2
	b. Awareness of the significance of entrepreneurship and innovation	3
	c. Knowledge about sustainable development	3
11	Knowledge about the effects of engineering applications and practices on the global and social health, ecology and safety, knowledge about the current problems in relation to the working areas of Electrical-Electronics engineering; and awareness of the legal issues resulting from engineering solutions	2
12	Knowledge about modern problems in local and universal scale	4

INSTRUCTORS				
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