



COURSE INFORMATION FORM

Course Name	Course Code
Economics	151912112

Semester	Number of Course Hours per Week		ECTS
	Theory	Practice	
3	3	0	4

Course Category (Credit)				
Basic Sciences	Engineering Sciences	Design	General Education	Social
			X	X

Course Language	Course Level	Course Type
Turkish	Undergraduate	Compulsory

Prerequisite(s) if any	
Objectives of the Course	To convey the microeconomic foundations of economics within the framework of concepts and general laws, and to provide students with the ability to think using basic concepts of microeconomics.
Short Course Content	Subject and method of economics, economic problem, introduction to price theory: demand and supply, market equilibrium: changes in price and quantity, price elasticity of demand, cross-price elasticity, income elasticity of demand, supply elasticity, applications on elasticities and market equilibrium, concept of utility and consumer equilibrium, production function and the law of diminishing returns, cost analysis: short and long run costs, firm equilibrium in perfect competition, conditions of imperfect competition markets and monopoly, factor markets: demand and supply in factor markets, factor prices and incomes: labor and wage, land and rent, capital and interest, entrepreneurship and profit.

Learning Outcomes of the Course	Contributed PO(s)	Teaching Methods *	Measuring Methods **
1 Defining economics and evaluating the distinction between microeconomics and macroeconomics.	10	1, 5, 8, 10	A
2 Interpreting economic events with the basic concepts and general laws of microeconomics.	10	1, 5, 8, 10	A
3			
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Main Textbook	K.YILDIRIM ed. Introduction to Economics, Pelikan Publishing, Ankara, 2013
Supporting References	Zeynel DINLER, Introduction to Economics, Ekin Kitabevi, 2002, Bursa; Erdal M. UNSAL, Introduction to Microeconomics, Turhan Kitabevi, Ankara, 2004.
Necessary Course Material	

Course Schedule	
1	Subject, method, and basic concepts of economics
2	Law of scarcity, opportunity cost, basic economic problems and solution proposals of different systems
3	Consumer behavior theory, Supply and Demand, formation of equilibrium price
4	Factors affecting S&D other than price, Elasticity analysis
5	S&D applications: Floor/Ceiling price, quantity controls, taxes, producer/consumer surplus
6	Production and Costs
7	Perfect Competition Market
8	Midterm Exams
9	Imperfect Competition Markets: Monopoly, Oligopoly, Monopolistic Competition
10	Macroeconomics: Definition, Scope, and Evolution
11	Measuring Economic Performance: Unemployment, Inflation, and GDP
12	Measuring Economic Performance: Unemployment, Inflation, and GDP (Continued)
13	Basic Macroeconomic Variables and Concepts (Measurement and Interpretation)
14	Money and Banking
15	General Review
16,17	Final Exams

Calculation of Course Workload			
Activities	Number	Time (Hour)	Total Workload (Hour)
Course Time (number of course hours per week)	14	3	42
Classroom Studying Time (review, reinforcing, prestudy,...)	14	3	42
Homework			
Quiz Exam			
Studying for Quiz Exam			
Oral exam			
Studying for Oral Exam			
Report (Preparation and presentation time included)			
Project (Preparation and presentation time included)			
Presentation (Preparation time included)			
Mid-Term Exam	1	1	1
Studying for Mid-Term Exam	1	15	15
Final Exam	1	1	1
Studying for Final Exam	1	20	20
Total workload			121
Total workload / 30			4.03
Course ECTS Credit			4

Evaluation	
Activity Type	%
Mid-term	40
Bir öge seçin.	
Final Exam.	60
Total	100

RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low)		
NO	PROGRAM OUTCOME	Contribution
1	To possess sufficient knowledge in mathematics, science, and engineering subjects related to Metallurgical and Materials Engineering; the ability to apply theoretical and practical knowledge in these areas to model and solve engineering problems.	2
2	The ability to identify, define, formulate, and solve complex engineering problems by selecting and applying appropriate analysis and modeling methods.	2
3	The ability to design a complex system, process, device, or product under realistic constraints and conditions to meet specific requirements by applying modern design methods.	1
4	The ability to develop, select, and use modern techniques and tools necessary for engineering applications encountered as a Metallurgical and Materials Engineer; the ability to effectively use information technology.	2
5	The ability to design experiments, conduct experiments, collect data, analyze results, and interpret findings for the investigation of engineering problems.	1
6	The ability to work effectively individually, as well as within disciplinary and interdisciplinary teams.	2
7	The ability to communicate effectively in Turkish, both verbally and in writing; knowledge of at least one foreign language.	3
8	The awareness of the necessity for lifelong learning; the ability to access information, follow developments in science and technology, and continuously renew oneself.	3
9	Awareness of professional and ethical responsibility.	4
10	Knowledge about business practices such as project management, risk management, and change management; awareness of entrepreneurship, innovation, and sustainable development.	5
11	Knowledge about the universal and societal impacts of engineering applications on health, environment, and safety; awareness of the legal consequences of engineering solutions.	2
12	Awareness of quality consciousness and sustainability in material selection, product development, and production processes in engineering applications; awareness of quality control.	2
13	The ability to confidently approach problems encountered in engineering applications.	2

LECTUTER(S)				
Prepared by	Prof. Dr. Mesut TEKKALMAZ			
Signature(s)				

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