

Course Profile - Department of Economics

Course Number : ECO 573	Course Title : Economics of Digital Technology
Required / Elective : Elective	Pre / Co-requisites : None
Catalog Description: Economic analysis of the production and consumption of goods and services in digital form. Software sector, social media, free software, intellectual property rights, sharing on the Internet, P2P networks, socio-economic effects of the Internet, the concepts of knowledge economy and post-industrial society. Applied analysis of the information sector.	Textbooks / Required Material : Course pack
Course Structure / Schedule : 3+0+0 / 6 ECTS	
<p>Extended Description : This course will use economic principles to understand and explain information and communication technologies. It will provide the concepts and theories necessary for analyzing information technology</p> <p>Weeks</p> <ol style="list-style-type: none"> 1 The economics of information 2 Economic Concepts and Principles 3 Market structure and Competition 4 Free software and open source movement 5 Microsoft monopoly model 6 IT Labor and employment 7 Labor in the digital economy and productivity 8 Review and exam 9 Property rights and the digital economy 10 Digital economy and public policy 11 Media and Information economics 12 Cultures, digital economy and development 13 Miscellaneous 14 Presentations 15 Presentations 	
Design content : None	Computer usage:
Course Outcomes: [relevant program outcomes in brackets]:	
By the end of this course, students will be able to:	

I. Analyze data in economics and related areas by using regression.

II. Establish and evaluate empirical models in economics and related field

III. Evaluate an economic model based on Turkish digital economy

Recommended reading:

Teaching methods

Lecture, in class discussion, term paper, problem solving

Assessment methods:

Attendance: 10%

Midterms: 30 %

Final Examination: 45%

Project Presentation : 15%

Contribution of Course Learning Outcomes to Program Outcomes

	Program Outcomes	Level of Contribution*				
		1	2	3	4	5
1	To comprehend fundamental economic concepts, to be able to utilize those in main economic problems, avoid mistakes as employee, employer, consumer and citizen due to common misconceptions regarding fundamental economic concepts			x		
2	To comprehend growth, inflation, interest rates, foreign exchange rates, foreign investments and foreign trade in Turkish economy					
3	Acknowledging that there exist different schools of thought in the discipline of economics and appreciating, for example, that there may be differences of opinion about the role of the state in economic life					
4	Understanding the set/matrix of relations in the global world economy and the role of international organizations within these relation; and also analyzing the costs and benefits of mutual dependence among countries.					
5	Apprehending the professional and ethical responsibilities, recognizing the importance and implications of occupational security			x		
6	Apply statistical methods, calculus and similar methods in data analysis, Comprehend problems on humanities and social sciences and make inferences on solutions					x
7	Recognize the diversity in cultures, belief systems and life styles, question information using logical induction and deduction					
8	Ability to model the equilibrium dynamics in markets, analyze, abstract, synthesize and interpret information					
9	The ability to work, take initiative and lead in multidisciplinary teams					x
10	Effective communication skills by using written, verbal and visual tools					x

11	The ability to recognize life long education and participate in it as a student as well as an educator					
12	Preparing reports which evaluate the economy on sectoral and macro bases; assessing critically the publications related to the economy; being capable of identifying the dynamics of and following the developments in the market, stock exchange markets, exchange rate markets, supply and demand; collecting and analyzing data on different fields of economics and interpreting them using statistical and econometric techniques and required software programs; equipping with good skills of presenting the findings; efficient note taking; asking the necessary questions to achieve, utilize and transfer information.					X
13	Apprehending the role and importance of environment and environmental sustainability					
Level of Contribution* 1= Least 5 = Highest						
Student Workload/ECTS (European Credit Transfer System) Tableau:						
Activity:	Number:	Total Workload (hour):				
Pre- reading	14	30				
Lectures	14	45				
Problem Solving	10	30				
Exams	2	5				
Project	1	40				
TOTAL 150/25=6 ECTS						
Prepared by : SR				Revision Date : 23/3/2014		