

**Course Profile - Department of Economics**

Course Number : <b>ECO 331</b>	Course Title : <b>Intermediate Econometrics</b>
Required / Elective : <b>Elective</b>	Pre / Co-requisites : ECO 301
<p>Catalog Description: Principles of economic model construction and the econometric techniques used in estimation of behavioral relationships. Econometric description and inference. Statistics for cross-section and time-series samples. Probability. Discrete and continuous probability distributions. Random variables. Estimators and sampling distributions. Confidence intervals and tests of hypotheses. Simple linear regression for normal and non-normal populations.</p>	<p>Textbooks / Required Material : D. Gujarati Basic Econometrics</p>
Course Structure / Schedule : 3+0+0 / <b>6 ECTS</b>	
<p>Extended Description : The purpose of this course is to introduce students to the theory and application of econometric methods. It covers the basic tools of estimation and inference in the context of the linear regression model and deals primarily with least squares method of estimation</p>	
Design content : None	Computer usage: Software EViews
<p>Course Outcomes:</p> <p>By the end of this course, students will be able to:</p> <p>I.Acquire the theoretical understanding and practical application of basic tools of regression analysis.</p> <p>II.Learn how to apply the tools of statistics and econometrics to actual situations related to policy-specific topics</p> <p>III.Learn how to use computer package programs to analyze data sets that they have collected and interpret output listings of computer software programs</p> <p>IV.Learn research techniques and obtain pertinent information that will be of use in their careers.</p>	
<p>Recommended reading: Jeffrey M. Wooldridge, Introductory Econometrics.</p>	
<p>Teaching methods Lecture, in class discussion, term paper, problem solving</p>	
<p>Assessment methods:</p> <p>Attendance: 10%</p> <p>Midterms: 30 %</p> <p>Final Examination: 45%</p> <p>Project Presentation : 15%</p>	

## 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					
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					
6	Apply statistical methods, calculus and similar methods in data analysis, Comprehend problems on humanities and social sciences and make inferences on solutions					*
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			*		
10	Effective communication skills by using written, verbal and visual tools		*			
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.					*
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	3	5
Project	1	40

**TOTAL 150/25 = 6 ECTS**

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