AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Econometry I						
Course Code	ECO305		Couse Level	First Cycle (Bachelor's Degree)			
ECTS Credit	6	Workload	150 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	This course is intended to be an introduction to specification, estimation, prediction, and evaluation of econometric models with important skills for an intellectual training. The aim of the lecture is to provide students with the opportunity to be aware of the empirical approach to economics, have an experience in the analysis and use of empirical data in economics and understand the nature of uncertainty and methods of dealing with it.						
Course Content	Regression Analysis, Two-Variable Regression Analysis, Two-Variable Regression: Estimation, Two-Variable Regression: Interval Estimation and Hypothesis Testing, Multiple Regression: Estimation, Lab Session and problem solving.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)	Lec. Zümre ÖZDEMİR GÜLER						

Prerequisites & Co-requisities

ECTS Requisite	70

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Ramu RAMANATHAN, Introductory Econometrics with Applications, 2001.
2	Damodar N. GUJARATI, Temel Ekonometri, Çev. Ümit Şenesen, Gülay Günlük Şenesen, Literatür Yayıncılık, İstanbul, 2009.

Week	Weekly Detailed Course Contents	
1	Theoretical	Regression Analysis
2	Theoretical	Two-Variable Regression Analysis
3	Theoretical	Two-Variable Regression: Estimation
4	Theoretical	Two-Variable Regression: Interval Estimation and Hypothesis Testing
5	Theoretical	Multiple Regression: Estimation
6	Theoretical	Problem Solving
7	Theoretical	Functional forms in Econometrics
8	Intermediate Exam	Midterm Examination
9	Theoretical	Multicollinearity
10	Theoretical	Heteroscedasticity
11	Theoretical	Autocorrelation
12	Theoretical	Autocorrelation
13	Theoretical	Lab Session and problem solving
14	Theoretical	Lab Session and problem solving
15	Theoretical	General Assessment
16	Final Exam	Final Examination
17	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Individual Work	14	0	4	56

Midterm Examination	1	20	1	21
Final Examination	1	30	1	31
			Total Workload (Hours)	150
			[Total Workload (Hours) / 25*] = **ECTS**	6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Is familiar with the basics of statistics and econometrics
2	Is able to build an econometric model for a problem and choose an appropriate econometric method to estimate the model .
3	Is able to do estimation and hypothesis testing of the econometric model using statistical software.
4	Is able to interpret results.
5	To be able to distinguish between time and section data

Programme Outcomes *(Economics)*

1	It defines and evaluates the basic economic concepts, theories, and methods.
2	It offers a basic level of policy proposals towards current economic problems.
3	It analyzes in the context of economic and social events in a historical perspective.
4	It explains the role of economic actors (such as government, company, or household) in the economy.
5	It follows national and international economic indicators and developments and it uses economic knowledge and methods in different areas.
6	Itprovides methods, tools and techniques necessary for the modelling and analysis of economic data and evaluates outcomes accordingly.
7	It defines economic systems, decision-making, policies and problems and it provides feedback about them.
8	It benefits from other disciplines tht contribute to economic basis and holds a basic knowledge of these disciplines.
9	It explains and comments on economic growth, development and productivity problems on basic grounds.
10	It provides sufficient know-how in sub-branches such as public economics, industry, agriculture, environment and natural resources, labor, knowledge and ownership of the economy, international finance, money, in political economy and econometrics.
11	It defines and evaluates the concept of business on basic grounds.
12	It provides a sufficient level of legal know-howthat may be demanded from high skill labor in both public and private sectors.
13	It defines the role of innovation, creativity and technology in the dynamic global economy.
14	It shows skills that will be useful for future employment opportunities and the working environment.
15	It considers science as a rational individual with professional and ethical responsibility.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4
P1	4	4	4	4
P5	4	4	4	4
P6	5	5	5	5
P7	4	4	4	4
P10	4	3	4	3