AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Econometrics I							
Course Code		EK201		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	124 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To gain the ability to use tools such as correlation and regression.							
Course Content		Correlation analysis, simple and multiple regression analysis, individual and group significance test, determination coefficient , specification and functional structure and dummy variables.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Assoc. Prof. Tuğba AKIN							

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	EKONOMETRİ I (2000), Şahin AKKAYA-M.Vedat PAZARLIOĞLU, Anadolu Matbaacılık, İzmir.
2	Ekonometri (2006), Recep TARI, Avcı Ofset, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	The purpose of econometrics, the topic of econometrics and the preceding steps in econometrics research
2	Theoretical	Simple Linear Regression Model(Bivariate Regression Model), Least Square Regression Model and its assumptions.
3	Theoretical	Multiple Regression Model
4	Theoretical	Hypothesis Tests, Regression and Analysis of Variance
5	Theoretical	Hypothesis Tests, Regression and Analysis of Variance
6	Theoretical	Topics with Bivariate Regression Models
7	Theoretical	The Other Tests for econometrics models with one equation, selection of models criteria
8	Theoretical	Mid-term
9	Theoretical	Distribtions for Normality and Normality tests, Multicollineartity, meaning of Multicollineartity, Estimations of Least Square Regression in case Multicollineartity, consequences after Multicollineartity, detected and remove Multicollineartity
10	Theoretical	Heteroscedasticity, meaning of Heteroscedasticity, Estimations of Least Square Regression in case Heteroscedasticity, consequences after Heteroscedasticity
11	Theoretical	Detected and remove Heteroscedasticity
12	Theoretical	Autocorrelation, meaning of Autocorrelation, Estimations of Least Square Regression in case Autocorrelation, consequences after Autocorrelation
13	Theoretical	Detection and removal of Autocorrelation
14	Theoretical	Applications
15	Theoretical	Applications
16	Theoretical	Final Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	9	2	2	36
Individual Work	7	1	1	14
Midterm Examination	1	8	1	9

Final Examination	1	8	1	9
			Total Workload (Hours)	124
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to understand the difference between time series and cross-sectional data
2	To be able to define the purposes of econometrics model
3	To be able to choose model as reasonable econometrics method
4	To be able to analysis assumptions of econometrics model
5	To be able to make inferences from econometrics models s evidences

Programme Outcomes *(Economics)*	
1	To be able to understand and interprent the concepts, theories and methds of basic economics
2	To be able to apply mathematical, statistical and econometric analysis tools to economic problems
3	To be able to interpret the structure and characteristics of the markets in the economy by understanding the current economic events
4	To be able to define the role of innovation, creativity and technology concepts in the dynamic global economy.
5	To be able to prepare projects and to gain creativity skills
6	To be able to analyze macro and micro ekonomic activities.
7	To be able to adapt the philosophy of lifelong learning

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

	L1	L2	L3	L4	L5
P1	3	4	4	3	3
P2	3	4	3	3	3
P3	3	4	4	3	4
P4	3	4	3	3	4
P5	3	4	4	3	4
P6	3	4	4	3	4
P7	3	4	4	3	4