ECONOMETRICS I

1	Course Title:	ECONOMETRICS I	
2	Course Code:	EKO3103	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	No	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Mustafa Sevüktekin	
15	Course Lecturers:	Prof. Dr. Mustafa Sevütekin, Doç.Dr. Kadir Yasin Eryiğit, Doç.Dr. Mehmet Çınar, Doç.Dr. Özer Arabacı	
16	Contact information of the Course Coordinator:	sevuktekin@uludag.edu.tr Uludağ Universitesi İktisadi ve İdari Bilimler Fakültesi Ekonometri A.B.D. 16059 Görükle/Bursa Türkiye Telephone: +90 224 2941160	
17	Website:		
18	Objective of the Course:	The course provides an elementary but comprehensive introduction to the practice of econometrics. It deals with applications of statistical methods to the testing and estimation of economic relationships. The main topics covered include review of probability and statistical inference.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To be able to use basic mathematical tools
		2	To be able to understand basic economic models
		3	To be able to understand probability distribution
		4	To be able to estimate
		5	To be able to understand hypothesis testing
		6	To be able to understand the key concepts of modern econometrics
		7	To be able to understand the importance of data
		8	To be able to use the tools needed to build econometric models
		9	To be able to understand the properties of main types of models
		10	To be able to apply the basis for modelling economic series
21	Course Content:		
	Course Content:		
Week	Theoretical		Practice

1	Basic mathematical tools	
2	Modelling concepts	
3	Basic economic models	
4	Point and Interval Estimation	
5	Properties of Estimators	
6	Hypothesis Testing	
7	Confidence Intervals (Midterm exam)	
8	What is econometrics?	
9	Economic Data	
10	Econometric model	
11	Definition of the Simple Regression Model	
12	Ordinary Least Squares (OLS) estimation	
13	Inference	
14	Applications	

22	Textbooks, References and/or Other Materials:	Woodridge, Jeffrey M. (2009), Introductory Econometrics: A modern Approach, Fourth Edition, South-Western College Publishing.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Final Exam	1	60.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	40.00	40.00
Others	0	0.00	0.00
Final Exams	1	50.00	50.00
Total Work Load			174.00
Total work load/ 30 hr			5.80
ECTS Credit of the Course			6.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	5	4	3	5	4	3	5	4	3	5	4	3	0	0	0	0
ÖK2	4	3	5	4	3	5	4	3	5	4	3	5	0	0	0	0
ÖK3	3	5	4	3	5	4	3	5	4	3	5	4	0	0	0	0
ÖK4	3	4	5	3	4	5	3	4	5	3	4	5	0	0	0	0

ÖK5	4	5	3	4	5	3	4	5	3	4	5	3	0	0	0	0
ÖK6	5	3	4	5	3	4	5	3	4	5	3	4	0	0	0	0
ÖK7	5	4	3	5	4	3	5	4	3	5	4	3	0	0	0	0
ÖK8	4	3	5	4	3	5	4	3	5	4	3	5	0	0	0	0
ÖK9	3	5	4	3	5	4	3	5	4	3	5	4	0	0	0	0
ÖK10	3	4	5	3	4	5	3	4	5	3	4	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**			**2 low**			**3 Medium**			**4 High**			**5 Very High**			