APPLIED ECONOMETRICS

1	Course Title:	APPLIED ECONOMETRICS
2	Course Code:	EKO4113
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	7
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Kadir Yasin Eryiğit
15	Course Lecturers:	Doç. Dr. Özer ARABACI
16	Contact information of the Course Coordinator:	Adres: Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü,16059, Görükle/Bursa. E-posta : ozerarabaci@uludag.edu.tr Telefon: 02242941130
17	Website:	
18	Objective of the Course:	The students should get the skills of construction and development of multiple regression models, get acquainted with some non-linear models and special methods of econometric analysis and estimation, understanding the area of their application in economics.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To be able to understand basic skills of econometric modelling;
	2	To be able to understand econometric methods;
	3	To be able to use Techniques to select econometric models;
	4	To be able to analyse estimation results;
	5	To be able to understand The properties of main types of models;
	6	To be able to analyse specification forms of regression;
	7	
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Linear Regression Model	
2	Function Structure of Regression Models	

3	Qualitative Explicit Variable Regression Models	
4	Multiple Linear Relations	
5	Variant Variance	
6	Autocorrelation	
7	Specification Errors	
8	Linear Probability Model	
9	Logit and Probit Models	
10	Multi-Template Regression Models	
11	Sequential Regression Models	
12	Limited Dependent Regression	
13	Modeling Count Data	
14	Poisson and Negative Binom Regression Models	

22	Textbooks, References and/or Other Materials:	Econometrics by Example by Damodar Gujarati
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Contribution of Term (Year) Learning Activities to	40.00	
Contribution of Final Exam to Success Grade	60.00	
Measurement and Evaluation Techniques Used in the		

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 preparation	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	26.00	26.00
Others	0	0.00	0.00
Final Exams	1	40.00	40.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

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	4	4	3	4	4	3	4	3	4	5	5	4	0	0	0	0
ÖK2	4	4	5	3	4	5	3	4	5	5	3	4	0	0	0	0
ÖK3	3	3	4	3	4	3	5	3	4	3	4	3	0	0	0	0
ÖK4	5	4	3	2	5	3	5	3	4	5	3	4	0	0	0	0

ÖK5	3	3	4	4	3	4	5	3	3	3	4	3	0	0	0	0
ÖK6	3	3	4	5	3	5	4	3	4	5	3	4	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**