



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Econometric Methods and Models							
Course Code		ZTE525		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	202 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course is to enable the students to learn obtaining econometrics models and to provide them with the skills for interpreting							
Course Content		Principles of econometrics, Multiple Linear regression model, Deviations from linear regression model, Dummy variable, Probit and Logit Regression							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Problem Solving					
Name of Lecturer(s)		Prof. Osman Orkan ÖZER							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Greene, William H. (2012): Econometric analysis. 7. ed., internat. ed. Boston, Mass.: Pearson (Pearson series in economics).
2	Badi H. Baltagi (2011): Econometrics, Springer ISBN 978-3-642-20059-5
3	Tarı, Recep (2015): Ekonometri: Umutepe Yayınları, 5. Baskı, ISBN:6055100254

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Econometrics
2	Theoretical	Type of data in econometrics
3	Theoretical	Multiple Linear regression model
4	Theoretical	Establishing model, estimation
5	Theoretical	Evaluation of Econometric Models
6	Theoretical	Deviations from linear regression model
7	Intermediate Exam	Midterm Exam
8	Theoretical	Detection of Multicollinearity and fixing the problem
9	Theoretical	Detection of autocorrelation and fixing the problem
10	Theoretical	Detection of Heteroscedasticity and fixing the problem
11	Theoretical	Predicting in Common Mathematical Forms (Linear Form, Inverse Function, Semi Logarithmic Functions, Double Logarithmic Function)
12	Theoretical	Dummy variable
13	Theoretical	Regression with a Binary Dependent Variable: Probit and Logit Regression
14	Theoretical	An overview course
15	Final Exam	Midterm Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	10	3	182
Midterm Examination	1	8	1	9
Final Examination	1	10	1	11
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to learn the basic principles of econometrics
---	--



2	To be able to gain the ability of analyses in econometrics model
3	To be able to gain the ability of to make predictions about economic events
4	To gain the ability to understand the economic decision process
5	Gaining the ability to introduce social events into mathematical patterns

Programme Outcomes (Agricultural Economics Master)

1	To be able to comprehend and solve agricultural economic issues using Agricultural sciences and the basic principles of economic science.
2	To be able to access information, evaluate, interpret, and implement in the processes of the scientific research processes related to Agricultural economy.
3	To be able to integrate the relationship between the use of natural resources and productivity, with environmental, food safety and sustainability objectives
4	To be able to predict the effects of economic and political developments on the Turkish agricultural sector, to be able to view, comprehend and interpret national and international agricultural markets, to be able to apply the innovative methods.
5	To be able to communicate with all actors showing activity in the countryside at the required level of behavior science, to detect problems, and to be able to conduct joint project.
6	To be able to lead multi-disciplinary studies in agricultural sciences, to be able to enhance solutions in complex situations and to be able to take responsibility.
7	To be able to raise awareness about the new and developing practices of the job, to be able to review and learn these when needed.
8	To be able to use theoretical and practical information in agricultural economics.
9	To be able to design innovative solutions integrating the original ideas and methods in agriculture and the economy with the system, part or process designs.
10	To be able to articulate the idea, and the findings about the research topic verbal and written in an effective way.

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

	L1	L2	L3	L4	L5
P8	5	5	5	5	5
P9	5	5	5	5	5

