Course Syllabus

Code - Course Title	**İKT477 - Applied Econometrics I**
Course Type	VII. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	PROF. DR. HASAN MURAT ERTUĞRUL

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	Basic Econometrics, Damodar Gujarati
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Probability and Statistics: A quick review	
Week - 2		Introduction: What is econometrics and why study econometrics	
Week - 3		Two-Variable Regression Analysis: Some Basic Ideas and The Problem of Estimation	
Week - 4		Classical Normal Linear Regression Model	
Week - 5		Two-Variable Regression: Interval Estimation and Hypothesis testing	
Week - 6		Extensions of Two-Variable Linear Regression Model	
Week - 7		Multiple Regression Analysis: The Problem of Estimation	
Week - 8		Multiple Regression Analysis: The Problem of Inference	
Week - 9		Multiple Regression Analysis: The Problem of Inference	
Week - 10		Multiple Regression Analysis: The Problem of Inference	
Week - 11		Dummy Variable Regression Models	
Week - 12		Use of dummy variables for analysing seasonal effects	
Week - 13		Multicollinearity	
Week - 14		Detecting and correcting multicollinearity	

Learning Outcomes

#	Learning Outcome
1	specify simple and multiple linear regression models.
2	apply the regression results.
3	apply the methods for adding more flexibility to the regression model.
4	will appreciate the strengths and limitations of regression analysis in applied economic research
5	Will be competent in the use of an econometric software.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.