Course Syllabus

Code - Course Title	**İKT225 - Economic Data Analytics**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ MERVE KOCAMAN, DOÇ. DR. İBRAHİM TUĞRUL ÇINAR

Mode of Delivery	This course will be conducted face to face.
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended programme for this course.
Work Placement	This is not appropriate for the course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Data Science	
Week - 2		Introduction to Data Science and the Importance of Data	
Week - 3		The usage of data: Microeconomic Data, Macroeconomic Data, International Data	
Week - 4		Data sources, Data mining, Big data	
Week - 5		Measuring data, obtaining data, transforming data	
Week - 6		Measuring data, obtaining data, transforming data	
Week - 7		Presenting the data, Visualizing the data	
Week - 8		Economic models and data	
Week - 9		Introduction to statistics: Measuring the data	
Week - 10		Introduction to econometrics: The use of data	
Week - 11		Mathematical techniques and data	
Week - 12		Data processing: MS Excel	
Week - 13		Statistics and Econometric Programs	
Week - 14		How the economist uses data	

Learning Outcomes

#	Learning Outcome
1	General features related to data science will be listed.
2	Features related to macroeconomic and microeconomic data will be listed.
3	Knowledge of data mining and big data will be mastered.
4	You will be informed about the steps for the active use of data.
5	The economic use of data is mastered.
6	The importance of econometrics and mathematical techniques will be comprehended.
7	An idea will be gained about obtaining results from data through programs.

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**