Course Syllabus

Code - Course Title	**İST245 - Statistics**
Course Type	III. SEMESTER
Laboratory + Practice	2+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Required Courses

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.
Recommended Resources	*Paul Newbold (2015) İşletme ve İktisat için istatistik. İstanbul: Literatür yayıncılık *Mahmut ATLAS (2019) İstatistik 1 (Çözülmüş Örnekler). Sözkesen Maatbaacılık, Eskişehir. Freund&Simon; (1997) Modern Elementary Statistics
Work Placement	There is no work placement in this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction, What is statistics. History and importance and uses of statistics	
Week - 2		The basic concepts of statistics: Functions.What is unit? And its types.	
Week - 3		The basic concepts of statistics: what is qualification? And its types, the concept of population and its types, sample and sampling	
Week - 4		The basic concepts of statistics: data collection, classification of data and measurement of variables	
Week - 5		Series (distributions): Serial types, single-variable series, a multivariate series	
Week - 6		Graphical representation of the series and graphic types	
Week - 7		Measures of central tendency (averages): Sensitive averages; mean and geometric averages, exercises	
Week - 8		Measures of central tendency (averages): Harmonic and square averages, applications	
Week - 9		Measures of central tendency (averages): Insensitive averages, Median and mode; applications.	
Week - 10		Variability measures: Variation range,standart deviation	
Week - 11		Variability measures: Variance, coefficient of variation, applications	
Week - 12		Variability measures: Concentration coeffecient and curve of concentration, Symmetry and kurtosis	
Week - 13		Regression and Correlation: What is Regression, definition of Dependent independent variable, least squares estimation	
Week - 14		Regression and Correlation: correlation and coefficient of determination and applications.	

Learning Outcomes

#	Learning Outcome
1	define the principal concepts about statistics.
2	collect data relating to variable/variables which will be examined and calculate descriptive statistics from these data.
3	identify distribution form relating to the variable/variables.
4	apply hypothesis testing via some of the statistical distributions.
5	Describes Normal Distribution

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.