Course Syllabus

Code - Course Title	**İST349 - Statistics**
Course Type	II. SEMESTER
Laboratory + Practice	2+0
ECTS	**2.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. MELİHA NUR ÖZEN BORA

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	N/A
Recommended Resources	Serper, Özer (1996) Uygulamalı İstatistik I, İstanbul, Filiz Kitabevi Serper, Özer (1996) Uygulamalı İstatistik II, İstanbul, Filiz Kitabevi
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definition of statistics. Importance of statistics	
Week - 2		Time, Space, Dispersion series	
Week - 3		Quantitative distribution series; Simple series, Frequency series, Classified series	
Week - 4		Number of classes, class width, Sturges rule in classifying data	
Week - 5		Cumulative series, Combined series, Representation of series with graphics.	
Week - 6		Measures of Central Tendency and Variability; Average types.	
Week - 7		Arithmetic mean; Arithmetic Mean in Frequency Series, Arithmetic Mean in Classified Series, Weighed Arithmetic Mean, Geometric Mean, Harmonic Mean, Squared Mean.	
Week - 8		Insensitive Averages; Mode, Median. Measures of Variability; Range of Variation, Standard Deviation, Variance, Coefficient of Variation	
Week - 9		Introduction to Probability, Three Basic Approaches in Probability; Classical Probability, Relative Frequency Concept of Probability, Subjective Probability Theory.	
Week - 10		Counting Rule, Component Probability, Conditional Probability, Discrete Events, Independent Events, Complementary Events	
Week - 11		Continuous Random Variables and Normal Distribution, Z values	
Week - 12		Indexes; Time Indexes, Space Indexes, Variable Based Indexes	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Regression Analysis	
Week - 14		Correlation Analysis; Correlation Coefficient and its meaning	

Learning Outcomes

#	Learning Outcome
1	Defines the principal concepts about statistics.
2	Collects data relating to variable/variables which will be examined and calculate descriptive statistics from these data.
3	Identifies distribution form relating to the variable/variables.

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.