Course Syllabus

Code - Course Title	**İST353 - Statistics**
Course Type	V. SEMESTER
Laboratory + Practice	3+0
ECTS	**3.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. YAŞAR ÖDÜL

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Examining principal concepts and definitions	
Week - 2		Examining measurement ve scales	
Week - 3		Examining frequency distributions and graphs	
Week - 4		Examining Measures of Central Tendency: The Mean, The Geometric mean	
Week - 5		Examining Insensitive means: The Mode, The Median and The Quantiles	
Week - 6		Examining the measures of variation	
Week - 7		Examining the sampling distributions I	
Week - 8		Examining the sampling distributions II	
Week - 9		Examining the confidence interval estimation I	
Week - 10		Examining the confidence interval estimation II	
Week - 11		Examining the hypothesis testing I	
Week - 12		Examining the hypothesis testing II	
Week - 13		Examining the Regression analysis	
Week - 14		Examining the correlation	

Learning Outcomes

#	Learning Outcome
1	Define the principal concepts about statistics.
2	Prepare frequency distributions and statistical graphs.
3	Calculate descriptive statistics from the data belonging to variable/variables which will be examined.
4	Solve the problems of the Normal and the Binomial distributions.
5	Formulate the interval estimations of the parameters.
6	Apply hypothesis testing via some of the statistical distributions.
7	Apply regression and correlation analysis.

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**