Course Syllabus

Code - Course Title	**İST634 - Statistical Methods in Instructional Technology**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. ADİLE AŞKIM KURT

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	not applicable
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to the program and setting rules for the lesson Basic concepts.	
Week - 2		Data entry and creating tables.	
Week - 3		Descriptive statistics (mean, standard deviation, mod, median)	
Week - 4		t test (one sample, dependent, independent)	
Week - 5		Variance analysis (ANOVA / one way, two way)	
Week - 6		Variance analysis (ANOVA / one way, two way)	
Week - 7		Multiple analysis of variance (MANOVA)	
Week - 8		Factorial designs	
Week - 9		Multiple comparing tests (post hoc)	
Week - 10		Analysis of covariance (ANCOVA, MANCOVA)	
Week - 11		Chi-Square Analysis	
Week - 12		Analysis of correlation	
Week - 13		Analysis of regression	
Week - 14		general assesment	

Learning Outcomes

#	Learning Outcome
1	Explain the basics of statistics and research.
2	Explain the stages of scientific research process.
3	Select the statistical technique proper for the research data.

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.