Course Syllabus

Code - Course Title	**UZE629 - Quantitative Data Analysis in Open and Distance Learning**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. EVRİM GENÇ KUMTEPE

Mode of Delivery	Face to face
Prerequisites	Distance Education MSc ProgramQuantitative Research in Distance Education Course
Recommended Resources	Field, A. (2013) Discovering Statistics Using SPSS (Introducing Statistical Methods S.). Sage Publication.American Psychological Association. (2009). Publication manual of the American Psychological Association (6th edition). Washington, DC: The author.Khan Academy Web Sites

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to JASP and Non-Parametric Analysis-I: Binomial test	
Week - 2		Non-Parametric Analysis-I: Chi Square Independence Test and Goodness of Fit Test	
Week - 3		Non-Parametric Analysis-II: KS test & Mann-Whitney test	
Week - 4		Non-Parametric Analysis-II: Wilcoxon Test	
Week - 5		Non-Parametric Analysis-III: -Kruskal Wallis & Spearman Correlation Analysis	
Week - 6		Mid Term	
Week - 7		Non-Parametric Analysis-IV: Logistic Regression I	
Week - 8		Non-Parametric Analysis-IV: Logistic Regression II	
Week - 9		Variance Analysisi-I: ANCOVA- Covariance analysis	
Week - 10		Causal Model-I: Moderator effect model	
Week - 11		Causal Model-II: Mediator effect model	
Week - 12		Factor Analysis-I: Exploratory factor analysis	
Week - 13		Factor Analysis-II: Confirmatory factor analysis	

Learning Outcomes

#	Learning Outcome
1	To be able to design a quantitative research on a subject in the field of distance education
2	Ability to obtain and organize primary or secondary data
3	Ability to analyze data using quantitative analysis techniques
4	To be able to prepare a scientific paper based on analysis

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Data Science

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.