Course Syllabus

Code - Course Title	**EÇE516 - Quantitative Research Designs in Early Childhood Special Ed.**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. MURAT DOĞAN ŞAHİN

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course
Courses Recomended	Postgraduate courses that include scientific research methods are recommended
Recommended Resources	Can, A. Quantitative Data Analysis with SPSS, Pegem Akademi;
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The designing of qualitative research	
Week - 2		Planning the study and Choosing appropriate scale and measures	
Week - 3		Preparing a questionnaire Coding datas	
Week - 4		Preparing the data file	
Week - 5		Preliminary analyses, Descriptive statistic	
Week - 6		Manipulating the data, Checking the reliability of the scale	
Week - 7		Choosing the right statistic, Examining the assumptions of normality	
Week - 8		Statistical techniques to explore relationship among variables, Correlation	
Week - 9		Regression, Factor analysis	
Week - 10		Statistical techniques to compare groups, T-tests, ANOVA	
Week - 11		MANOVA, ANCOVA	
Week - 12		Non-parametric statistics; Chi-square, Mann Whitney U-Test, Kruskal Wallis Test, Wilcoxon Signed Rank Test	
Week - 13		Reliability and validity of the assessment tools; The main statistic to testing validity, The main statistic to testing reliability	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Reporting of statistical analysis results	

Learning Outcomes

#	Learning Outcome
1	Will be able to explain what quantitative research is in early childhood special education.
2	Be able to list basic beginner stats
3	Explain parametric statistics and its use.
4	Will be able to discuss when to use non-parametric statistics
5	To be able to analyze validity and reliability in scale development

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.