Course Syllabus

Code - Course Title	**EYT615 - Research Methods in Education and Data Analysis**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	DOÇ. DR. CEYHUN KAVRAYICI

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite for this course.
Courses Recomended	There is no recommended course.
Recommended Resources	Balcı, A. (2001). Sosyal Bilimlerde Araştırma: Yöntem, Teknik ve İlkeler. Ankara: Pegem Yayıncılık. Büyüköztürk, Ş. (2010). Sosyal Bilimler İçin Veri Analizi El Kitabı: İstatistik, Araştırma Deseni, SPSS Uygulamaları ve Yorum. Ankara: Pegem Akademi. Büyüköztürk, Ş., Kılıç, E., Akgün, Ö. E., Karadeniz, Ş., & Demirel, F. (2008). Bilimsel Araştırma Yöntemleri. Ankara: Pegem Akademi Yayıncılık.
Work Placement	There is no work placement in this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic Terms in Scientific Reaserch	
Week - 2		Quantiative Research	
Week - 3		Data in Scientific Reaserch	
Week - 4		Parametric and non-parametric tests	
Week - 5		Hyphotesis testing	
Week - 6		Correlation and Regression analysis	
Week - 7		Experimental designs	
Week - 8		Structral Equation Modelling	
Week - 9		Non-parametric tests	
Week - 10		Applicatiopns in non-parametric tests	
Week - 11		Scale development	
Week - 12		Applications in Scale development	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Reporting in Scientific Reaserch	
Week - 14		Evaluating the Course	

Learning Outcomes

#	Learning Outcome
1	Using Appropriate Statistics for Research Designs
2	Analyizing distrubition of research data
3	Applying samples of parametric tests
4	Applying samples of non-parametric tests
5	Comprehending scale development process
6	Carrying out scale development applications
7	Explain how summary, judgment, proposal and findings will be presented in scientific research
8	Explain relation between scientific research and ethics

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.