Course Syllabus

Code - Course Title	**ARY216 - Research Methods in Education**
Course Type	IV. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses

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		Fundamentals and Basic Concepts of Scientific Methodology	
Week - 2		Defining the Research Problem	
Week - 3		Literature Review	
Week - 4		Basic Paradigms in Scientific Research	
Week - 5		Data Collection Tools in Quantitative Research	
Week - 6		Sampling and Sampling Methods	
Week - 7		Survey Research	
Week - 8		Correlational Research	
Week - 9		Experimental Research	
Week - 10		Collecting Data in Qualitative Research	
Week - 11		Qualitative Research Methods	
Week - 12		Action Research	
Week - 13		Research Reporting	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Ethics in Scientific Research	

Learning Outcomes

#	Learning Outcome
1	Explaining the structure and properties of science
2	Explaining the process of data collection and analysis in different research paradigms
3	Evaluating a scientific research report
4	Preparing and presenting a research proposal for a scientific problem

Sustainable Development Goals

No content has been provided.

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Data Science ✓ Software, Cloud and Blockchain

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.