Course Syllabus

Code - Course Title	**ARY550 - Research Methods in Education Sciences**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. ADİLE AŞKIM KURT

Mode of Delivery	This course is conducted only in the form of face to face education.
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	Research DesignJohn Creswell
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Scientific research methods	
Week - 2		Planning quantitative research	
Week - 3		Planning qualitative research	
Week - 4		Action research	
Week - 5		Population and sample: Non-probability sampling methods	
Week - 6		Population and sample: Probability sampling methods	
Week - 7		Data collection methods and tools: Quantitative data collection methods and tools	
Week - 8		Data collection methods and tools: Qualitative data collection methods and tools	
Week - 9		Qualities of data collection tools: Validity and types of validity	
Week - 10		Qualities of data collection tools: Reliability and types of reliability	
Week - 11		Data analysis: Analyzing quantitative data	
Week - 12		Data analysis: Analyzing qualitative data	
Week - 13		Writing up scientific research	
Week - 14		Scientific research and ethics	

Learning Outcomes

#	Learning Outcome
1	Explains basic concepts of scientific research methods
2	Explains the formal rules of creating a research proposal and writing a report.
3	Analyses the first step of the scientific research, which is the research problem.
4	Analyses the other steps of scientific research.
5	Analyses the data collection techniques and the processing of data.
6	Recognize data collection techniques in scientific research.
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.