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	Required Courses
Course Instructor(s)	DOÇ. DR. CEYHUN KAVRAYICI

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		Ch1 Introduction -Selection of Research Design (Creswell) Assignment 1: Find top 5 research journals in your field. Pick one of them and find the most recent issue of that journal from the library or the Internet. Identify one article that interests you. Explain why you find the article interesting and examine the research questions.	
Week - 2		Ch4 The Ethics and Politics of Research- Research Design (Creswell) Assigment 2: Question 2 (CH4 Review Questions)	
Week - 3		Ch2 Review of the Literature (Creswell)	
Week - 4		Ch3 The Use of Theory (Creswell) Assignment 3: Start to think about a research idea as a group project and discuss it with your group and me.	
Week - 5		Ch5 The Introduction (Creswell)	
Week - 6		Ch6 The Purpose Statement (Creswell) Assignment 4: Write your paper's purpose statement and prepare an outline.	
Week - 7		Ch 7 Research Questions and Hypotheses (Creswell) Assignment 5: Find a journal article in your field that uses survey methodology. Identify the participants, sampling, how variables are measured in the study and choose at least two questions from the survey and criticize each one.	
Week - 8		Sampling	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 9		Ch 8 Quantitative Research (Creswell) Assignment 6: Find a journal article that conducts an experimental research. Identify the participants, dependent and independent variables of it and how these variables are tested.	
Week - 10		Ch 9 Qualitative Research (Creswell) Assignment 7: Find a journal article in your field that uses qualitative methods. Discuss the technique used in that study.	
Week - 11		Data Collection Techniques	
Week - 12		Ch 10 Mixed Methods Procedures (Creswell)	
Week - 13		Review of the topics Assignment 9: Find a journal article related to your field and write a one-page summary considering the following questions and prepare a 10-minute presentation as a group. • What is the main research question? • Why is this question important to consider? • How is this question addressed? What is the research method? • Explain the participants and the sampling of the study.	
Week - 14		Student Presentation	

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.

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

AKTS Workload

Activity	Duration (Hour)	Count	Workload
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.