Course Syllabus

Code - Course Title	**ARY535 - Research Methods in Education**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. SUZAN DUYGU ERİŞTİ

Mode of Delivery	Distance Education
Prerequisites	None
Courses Recomended	None
Recommended Resources	Cohen, L.; Manion, L. ve Morrison, K. (2021) Eğitimde Araştırma Yöntemleri. (Çev. Ed.: E. Dinç-K. Kıroğlu). Ankara: Pegem Akademi.Büyüköztürk, Ş.; Kılıç Çakmak, E.; Akgün, E.; Karadeniz, Ş. ve Demirel, F. (2010). Bilimsel Araştırma Yöntemleri. Ankara: Pegem Akademi.
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introducing the course and its content, and the basic concepts of educational research: paradigm, onthology and epistemology	
Week - 2		The basic concepts of educational research: methodology, method, design, model, theory, hyphothesis	
Week - 3		The scientific knowledge and its features, and the ways of knowledge acquisition	
Week - 4		Quantitative research designs in educational research	
Week - 5		Qualitative research designs in educational research	
Week - 6		Mixed method research	
Week - 7		Research design and planning, and the stages of the research processes	
Week - 8		Mid-term exam	
Week - 9		Sampling, validity and relaibility in educational research, and research ethics	
Week - 10		Data collection technigues and instruments in educational research	
Week - 11		Procedures and processes of data collection	
Week - 12		Analysing quantitative data	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Analysing qualitative data	
Week - 14		Writing up and interpreting research findings	

Learning Outcomes

#	Learning Outcome
1	Explains the fundamental concepts related to research processes.
2	Understands research processes and characteristics, as well as the methods of acquiring scientific knowledge.
3	Understands various approaches and methods in positivist and post-positivist/interpretivist research processes.
4	Explains the design, planning, and stages of research processes.
5	Explains the basic principles, procedures, and processes regarding sampling, validity, reliability, and ethics within the framework of the problem statement for the research process.
6	Explains various data collection approaches and processes utilized in research processes.
7	Understands the processes of data collection, analysis, and interpretation.
8	Explains the processes regarding approaches and methods in quantitative data analysis.
9	Explains the approaches and processes for qualitative data analysis within a contextual framework.
10	It structures the processes regarding the interpretation of research findings and the reporting of the research.

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	3.00	14	42
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	1.00	14	14
Ödevler	1.00	14	14
Proje - Rapor - Sunum Hazırlama	1.00	14	14
Ara Sınav Hazırlığı (sınav süresi dahil)	2.00	14	28
Final Sınavı Hazırlığı (sınav süresi dahil)	2.00	14	28
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	1.00	14	14
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**6.0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**