Course Syllabus

Code - Course Title	**ARY520 - Single Subject Research Methods**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. ELİF TEKİN İFTAR

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	N/A
Recommended Resources	Tekin-İftar, E. (2018). Eğitim ve davranış bilimlerinde tek-denekli araştırmalar. Ankara: Anı Yayıncılık.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		What is research? What are the similarities and differences between research and teaching?	
Week - 2		Special education: Is it science or art? Principles of applied behavior analysis, Ethical research behavior	
Week - 3		Measurement and evaluation, Effectiveness and efficiency, Direct testing	
Week - 4		Social validity, Educational validity, Internal and external validity	
Week - 5		Reliability, Dependent variable reliability, Independent variable reliability	
Week - 6		Types of graphs, Visual analysis of the data, Replication	
Week - 7		Characteristics of single-subject research designs, ABAB design, Reversal design	
Week - 8		Multiple baseline design	
Week - 9		Multiple probe design	
Week - 10		Comparison designs, Characteristics of comparison designs, ABC design	
Week - 11		Alternating treatment design	
Week - 12		Alternating treatment design	
Week - 13		Parallel treatment design	
Week - 14		Writing the research proposal	

Learning Outcomes

#	Learning Outcome
1	Defines the process of research and teaching.
2	Will be able to describe the principles of applied behavior analysis.
3	Defines the concepts of measurement and evaluation
4	Will be able to define validity.
5	Will be able to discuss the concept of reliability.
6	Analyzes the data gathered in single subject research designs visually.
7	Will be able to describe the characteristics of single subject designs and discuss ABAB model.
8	Describes the multiple baseline model.
9	Will be able to describe the multiple probe model.
10	Will be able to describe comparative single subject methods.
11	Will be able to describe the alternating treatment design.
12	Will be able to describe adapted alternating treatments designs.
13	Describes the parallel treatment design.

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.