Course Syllabus

Code - Course Title	**ARY624 - Quantitative Research Methods and Applications**
Course Type	I. SEMESTER
Laboratory + Practice	2+1
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. AYDOĞAN AYKUT CEYHAN

Mode of Delivery	Face to face
Prerequisites	none
Courses Recomended	Research Methods in Educational Sciences
Recommended Resources	none

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic concepts in research	
Week - 2		Quantitative Research Types	
Week - 3		Data in Research	
Week - 4		Parametric and non-parametric tests	
Week - 5		Hypothesis tests	
Week - 6		Correlation and Regression Analyses and Applications	
Week - 7		Experimantal Designs and Applications	
Week - 8		Structural Equation Modelling	
Week - 9		Structural Equation Modelling and Applications	
Week - 10		Non-parametric testler	
Week - 11		Applications in Non-parametric Tests	
Week - 12		Scale Development	
Week - 13		Applications in Scale development	
Week - 14		Reporting in Research and General Overview	

Learning Outcomes

#	Learning Outcome
1	Using Appropriate Statistics for Research Designs
2	Analyizing distrubition of research data
3	Applying samples of parametric tests
4	Applying samples of non-parametric tests
5	Comprehending scale development process
6	Carrying out scale development applications

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	20
Final Exam	1	50
Homework	1	30
	Sum (%)	**100**