AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Advanced Statistics						
Course Code	EPÖ608		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	120 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	In this course, it is aimed to provide knowledge and skills related to statistical techniques used in research with SPSS based applications						
Course Content	The introduction of advanced data analysis techniques used in the process of research and knowledge acquisition about the statistics. Entering data into SPSS, analysis and interpretation.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Project Based Study, Individual Study						
Name of Lecturer(s)	Lec. Meltem ÇENGEL SCHOVILLE						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	30
Attending Lectures	1	20
Term Assignment	1	30

Recommended or Required Reading

1	Janda, Louis (2001) The Psychologist's Book of Personality Tests(24 Revealing Tests to Identify and Overcome Your Personal Barriers to a Better Life) John Wiley & Sons, Inc, New York, USA.
2	Kalaycı, Ş. (2006). SPSS uygulamalı çok değişkenli istatistik teknikleri (Vol. 2). Asil Yayın Dağıtım.
3	Büyüköztürk, Ş. (2010). Sosyal bilimler için veri analizi el kitabı: İstatistik, araştırma deseni, SPSS uygulamaları ve yorum.
4	Çokluk, Ö., Şekercioğlu, G., & Büyüköztürk, Ş. (2010). Sosyal bilimler için çok değişkenli istatistik: SPSS ve LISREL uygulamaları. Pegem Akademi.
5	Albayrak, A. S. (2006). Uygulamalı çok değişkenli istatistik teknikleri. Asil Yayın Dağıtım.

Week	Weekly Detailed Course Contents	
1	Theoretical	Descriptive statistics
2	Theoretical	descriptive statistics
4	Theoretical	ANCOVA
5	Theoretical	ANCOVA
6	Theoretical	Hierarchical regression analysis
7	Theoretical	Versatile regression analysis
8	Intermediate Exam	Midterm exam
9	Theoretical	Versatile regression analysis
10	Theoretical	Logistic regression analysis
11	Theoretical	Logistic regression analysis
12	Theoretical	MANOVA
13	Theoretical	MANOVA
14	Theoretical	MANCOVA
15	Theoretical	MANCOVA

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	14	1	0	14
Term Project	1	4	0	4
Reading	14	2	0	28
Midterm Examination	1	15	1	16

Final Examination	1	15	1	16
		Total Workload (Hours)		120
		[Total Workload (Hours) / 25*] = **ECTS**		5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Discusses the differences among data analysis techniques
2	Explains the basics and how to use of SPSS
3	Analyzes data obtained from a research
4	Reports the results of a research using SPSS according to the systematics of statistics
5	Discusses different statistical techniques.

Programme Outcomes *(Curriculum and Instruction Doctorate)*

1	To be able to use the basic concepts in the field of Curriculum Development and Instruction correctly
2	To be able to comprehend philosophical, social, historical and psychological principles influencing curriculums
3	To be able to analyze theoretical bases of learning-teaching theories and approaches
4	To be able to evaluate any curriculum in accordance with scientific principles
5	To be able to prepare a curriculum design cooperatively in accordance with principles and criteria
6	To be able to conduct curriculum development studies in an institution or subject area
7	To be able to make scientific researches/publications in the field of Curriculum and Instruction
8	To be able to follow contemporary implementations, and national and international academic publications
9	To be able to prioritize scientific methods and ethical principles in educational sciences while considering and implementing field specific professional issues
10	To be willing to do scientific research in the field of Curriculum and Instruction
11	To be able to appreciate curriculum development profession as a professional identity

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	5	5	5	4	4
P2	5	5	5	4	5
P3	5	5	5	4	5
P4	5	5	5	4	4
P5	5	5	5	4	4
P6	5	4	4	4	4
P7	5	4	4	4	4
P8	5	4	4	4	4
P9	5	4	5	4	5
P10	5	4	5	4	5
P11	5	4	5	4	5