AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Quantitative Data Analysis Techniques								
Course Code	SOSY628		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The main objective of this lecture is to provide students with a knowledge about quantitative data analysis techniques mainly used in sociological researches. In addition it aims to show and teach its application by using computer programmes.								
Course Content	Primarily starting with SPSS program, a number of other data analysis techniques such as Excel will be taught. Their application practices will be carried out.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Beril Durmuş, E. S. Yurtkoru ve M. Çinko (2011) Sosyal Bilimlerde SPSS'le Veri Analizi, Beta Basım Yayım
2	Nuran Bayram (2012) Sosyal Bilimlerde SPSS ile Veri Analizi, Seçkin Yayıncılık
3	Süleyman Uzunköprü (2008) Başlangıçtan İleri Düzeye Excel ve Makrolar, Beşir Kitabevi: İstanbul
4	George, Darren, Paul Mallery, SPSS for Windows Step by Step, A Simple Guide and Reference 10.0 Update, Abacon, Third Edition, USA.
5	Büyüköztürk, Şener. (2002). Sosyal Bilimler İçin Veri Analizi El Kitabı: İstatistik, Araştırma Deseni SPSS Uygulamaları ve Yorum, Pagem Yayıncılık: Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to the lecture, expectations and objectives
2	Theoretical	Some considerations to be taken into account in data analysis
	Preparation Work	Students are expected to read previously given reading suggestions
3	Theoretical	Descriptive statistics, probability distributions
	Preparation Work	Students are expected to read previously given reading suggestions
4	Theoretical	Testing statistical hypothesis
	Preparation Work	Students are expected to read previously given reading suggestions
5	Theoretical	Correlation and regression analysis
	Preparation Work	Students are expected to read previously given reading suggestions
6	Theoretical	SPSS (General Introduction to the programme)
	Preparation Work	Students are expected to read previously given reading suggestions
7	Theoretical	SPSS (Data entry, some data entry exercises) I
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
8	Theoretical	SPSS (Data entry, some data entry exercises) II
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
9	Theoretical	SPSS (Creating tables)
10	Theoretical	SPSS (Interpretation of the tables)
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
11	Theoretical	Social Network Analysisi (Application practices) I
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices

12	Theoretical	Social Network Analysis (Application practices) II
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
13	Theoretical	Data Interpretation & Writing Report I
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
14	Theoretical	Data Interpretation & Writiting Report II
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
15	Theoretical	Data Interpretation & Writing Report
	Preparation Work	Students are expected to read previously given reading suggestions and to carry out some application practices
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	0	3	45
Assignment	5	10	0	50
Term Project	1	15	0	15
Individual Work	15	1	0	15
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	be able to carry out data analysis by using SPSS in a quantitative research
2	be able to use Excel for a quantitative research
3	be able to interprete data and analyse sociologically
4	To understand the nature of relational data
5	To be able to use social network analysis

Programme Outcomes *(Sociology Doctorate)*

1	To be able to understand and explain the functioning of social structure, institutions and processes, and social action.
2	Ability to make advanced sociological analyzes based on the current theoretical and conceptual framework.
3	To be able to think critically about the causes and consequences of social inequalities (in the areas of class, ethnicity, religion, and gender).
4	To be able to use sociological research methods and techniques effectively in work life and academic studies.
5	To be able to understand and explain social and intercultural differences from a comparative perspective.
6	Being sensitive to universal values and ecological problems by using a scientific perspective.
7	To be able to look at current social problems and phenomena from an interdisciplinary perspective.
8	To follow current sociological developments, to be open to professional innovations and to be able to predict.
9	Having professional sensitivity and scientific ethical responsibility.
10	To be able to express oneself in an advanced academic sense, both verbally and in writing, and to communicate effectively.
11	To be able to follow basic sociological texts in a foreign language.

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	2	2	2	2	2
P2	4	4	4	4	4
P3	2	2	2	2	2
P4	5	5	5	5	5
P5	2	2	2	2	2
P6	3	3	3	3	3
P7	2	2	2	2	2
P8	3	3	3	3	3
P9	4	4	4	4	4

P10	4	4	4	4	4
P11	4	4	4	4	4