

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
STATISTICS	SKY2242360	Spring Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses	Advanced research methods				
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Okan AKMEHMET				
Name of Lecturer(s)	Assist.Prof. Okan AKMEHMET				
Assistant(s)					
Aim	The goal of this course is to teach the students of Political Science and Public Administration how to do quantitative and qualitative data analysis by using the tools of statistics.				
Course Content	This course contains; What is Statistics?,Descriptive Statistics: Frequency Distributions and Percentages,Descriptive Statistics: Measures of Central Tendency,Descriptive Statistics: Measures of Dispersion,Descriptive Statistics: Normal Distribution,Inferential Statistics: Sampling,Correlation,Inferential Statistics: Hypothesis Testing (One-Sample Case),Inferential Statistics: Hypothesis Testing (Two-Sample Case),Inferential Statistics: Hypothesis Testing (ANOVA),Inferential Statistics: Hypothesis Testing (Chi-Square),SPSS Applications ,SPSS Applications ,Overview.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Use the basic concepts of statistics.			12, 9	A	
2. Comprehend a social science article written based on data analyzed with statistical methods.			12, 9	A	
3. Collect data by using statistical methods for social science research.			12, 9	A	
4. Analyze data by using statistical methods for social science research.			12, 9	A	
5. Use statistical methods to analyze the data collected in order to answer the different questions asked in social science research.			12, 9	A	
6. Interpret the results of the analysis of quantitative data in social science research.			12, 9	A	
7. Analyze the causal relationships between the events and phenomenon in social science research by using statistical methods.			12, 9	A	
8. Analyze data by using SPSS.			12, 9	A	
Teaching Methods	12: Problem Solving Method, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	What is Statistics?	Giriş bölümü (Sayfa 1-12)			
2	Descriptive Statistics: Frequency Distributions and Percentages	Frekans Dağılımları (Sayfa 15-26)			
3	Descriptive Statistics: Measures of Central Tendency	Frekans Dağılımının Betimlenmesi (Sayfa 29-47)			
4	Descriptive Statistics: Measures of Dispersion	Frekans Dağılımının Betimlenmesi (Sayfa 29-47)			
5	Descriptive Statistics: Normal Distribution	Olasılık, Standart Normal Dağılım ve Standart Puanlar (Sayfa 53-71)			
6	Inferential Statistics: Sampling	Anlam Çıkartıcı İstatistik (Sayfa 131-142)			
7	Correlation	Korelasyon: İki Değişken Arasındaki İlişki Ve İlişkinin Ölçülmesi (Sayfa 75-106)			
8	Inferential Statistics: Hypothesis Testing (One-Sample Case)	Anlam Çıkartıcı İstatistik (Sayfa 131-142)			
9	Inferential Statistics: Hypothesis Testing (Two-Sample Case)	T-Testi: Ortalamalar Arası Farkların Test Edilmesi (Sayfa 143-161)			
10	Inferential Statistics: Hypothesis Testing (ANOVA)	Varyans Analizi: Ortalamalar Arası Farkların Test Edilmesi (Sayfa 165-178)			
11	Inferential Statistics: Hypothesis Testing (Chi-Square)	Ki-Kare Bağımsızlık Testi (sayfa 181-186)			
12	SPSS Applications	Reading the notes of the relevant theoretical part previously mentioned			
13	SPSS Applications	Reading the notes of the relevant theoretical part previously mentioned			
14	Overview	Reexamination of questions of Quiz I and Quiz II			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Şener Büyükoztürk, Ömay Çokluk, Nilgün Köklü, Sosyal Bilimler İçin İstatistik, 2016.Özer Serper, Uygulamalı İstatistik, Ezgi Kitabevi