AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Statistics in Social Sciences								
Course Code	ISL215		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	5	Workload	122 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To instruct cost accounting concepts and techniques and use this knowledge in the decision-making process.Teach how to recognize, analyze, summarize, interpret, predict and extract inferences from quantitative data using scientific methods in social science.								
Course Content	Basic probability, discrete random variables and probability distributions, binomial probability distribution Poisson probability distribution, continuous random variables and probability distributions, exponential probability distributions, normal probability distribution, sampling and sampling distributions, point estimation, interval estimation								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Büyüköztürk, Ş., Çokluk, Ö., & Köklü, N. (2019). Sosyal Bilimler için İstatistik. Ankara: Pegem Akademi

Week	Weekly Detailed Course Contents	
1	Theoretical	What is statistics?
2	Theoretical	Basic concepts in statistics
3	Theoretical	What is the population and the sample?
4	Theoretical	What is statistics and parameter?
5	Theoretical	Data collection, data presentation and interpretation of data
6	Theoretical	Graphics
7	Theoretical	Measures of center: Mean, median, mode and quarters - 1
8	Theoretical	Measures of center: Mean, median, mode and quarters - 2
9	Theoretical	Geometric average, squared average, harmonic average
10	Theoretical	Standard deviation, variance, coefficient of variation, range of variation
11	Theoretical	Introduction to Probability
12	Theoretical	Discrete random variables and probability distributions - I
13	Theoretical	Discrete random variables and probability distributions - II
14	Theoretical	Continuous random variables and probability distributions
15	Theoretical	Continuous random variables and probability distributions
16	Final Exam	Final Exams
17	Final Exam	Final Exams

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Midterm Examination	1	20	1	21

Final Examination	1	30	1	31
			Total Workload (Hours)	122
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to use rules and methods of presenting quantitave data.
2	To be able to use statistical methods and rules for the summary display of numerical data.
3	To be able to apply probability theory and concepts to business problems.
4	To be able to use random variable concept in real life situations.
5	To be able to comprehend and define probability distribution of a random variable.
6	To be able to make predictions about random variables.

Programme Outcomes *(International Relations)*	
1	Students understand, evaluate and implement the basic concept and theories of the discipline of International Relations.
2	Students examine and follow up the political and social developments in the world. They understand and interpret current issues in the field of International Relations.
3	Students evaluate and explain international relations from an historical and legal perspective.
4	Students gain a general vision of international relations and political science. In that respect, they examine and analyze Turkey's place in world politics, its relationship with its neighbors and the world.
5	Students comprehend local, regional and national developments and establish links between them and global developments.
6	Students comprehend development processes, structures and functions of international political institutions and international / intergovernmental / regional organizations.
7	Students conduct research on academic and vocational subjects and interpret numerical and statistical data.
8	Students use basic computer programs and information technologies.
9	Students think analytical and critical and produce solutions within cases and problems.
10	Students follow up scientific studies on International Relations, published in Turkish and foreign languages and prepare and present articles, papers, theses and reports.
11	Students are open-minded and respectful for others' thoughts and acts. They become socialized well in a social environment. They can express their opinions and thoughts easily.
12	Students take various tasks as team leader or as a member within the teamwork and are inclined to both teams work and individual work.
13	Students gain professional knowledge and theoretical background, required by the public sector and the private sector.

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

	L1	L2	L3	L4	L5	L6
P1	4	4	4	4	5	5
P2	5	4	4	4	5	5
P3	5	4	4	4	5	4
P4	5	4	4	4	2	5
P5	3	4	4	4	5	2
P6	3	4	4	5	5	5
P7	4	5	4	4	4	5
P8	4	5	4	4	5	4
P9	5	4	5	5	4	5
P10	4	4	5	5	5	2
P11	3	4	5	4	4	5
P12	5	4	4	5	4	3
P13	4	4	4	3	2	5