



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Statistics I							
Course Code		ULT225		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	6	Workload	151 ( <i>Hours</i> )	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.							
Course Content		This course is about basic probability, statistical probability, descriptive statistics and inferential statistics.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)		Assoc. Prof. Algin OKURSOY, Assoc. Prof. Didem TEZSÜRÜCÜ COŞANSU							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Paul NEWBOLD, İşletme ve İktisat için İstatistik, Çev. Ümit ŞENESEN, Literatür Yayınları, 2000
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Week	Weekly Detailed Course Contents	
1	Theoretical	Basic Concepts: Population, Parameter, Sample, Statistics, Statistical Unit, Scales
2	Theoretical	Measures of Central Tendency
3	Theoretical	Measures of Central Tendency
4	Theoretical	Measure of Variability: Variance and Standart Deviation
5	Theoretical	Measure of Variability: Range and Coefficient of Variation
6	Theoretical	Probability: Statistical Experiment, Sample Space
7	Theoretical	Probability: Conditional Probability, Dependent and Independent Event
8	Theoretical	Discrete Random Variables and Their Distributions: The Concept of Random Variable
9	Intermediate Exam	Midterms
10	Intermediate Exam	Midterms
11	Theoretical	Discrete Random Variables and Their Distributions: Bernoulli and Binomial Dist.
12	Theoretical	Discrete Random Variables and Their Distributions: Poisson Dist.
13	Theoretical	Expectation and Variance of Discrete Random Variables
14	Theoretical	Uniform Dist.
15	Theoretical	Normal Dist.
16	Intermediate Exam	Finals

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	2	3	65
Individual Work	13	0	2	26
Final Examination	1	27	1	28
Board Examination	1	31	1	32
Total Workload (Hours)				151
[Total Workload (Hours) / 25*] = ECTS				6

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To have information about Population and Sampling
2	To calculate central tendency and variability measures according to data types.



3	Simple probability calculation.
4	To have knowledge on the concept of random variable.
5	To be able to calculate probability for the distribution of discrete and continuous random variables.

#### Programme Outcomes (Economics)

1	It defines and evaluates the basic economic concepts, theories, and methods.
2	It offers a basic level of policy proposals towards current economic problems.
3	It analyzes in the context of economic and social events in a historical perspective.
4	It explains the role of economic actors (such as government, company, or household) in the economy.
5	It follows national and international economic indicators and developments and it uses economic knowledge and methods in different areas.
6	It provides methods, tools and techniques necessary for the modelling and analysis of economic data and evaluates outcomes accordingly.
7	It defines economic systems, decision-making, policies and problems and it provides feedback about them.
8	It benefits from other disciplines that contribute to economic basis and holds a basic knowledge of these disciplines.
9	It explains and comments on economic growth, development and productivity problems on basic grounds.
10	It provides sufficient know-how in sub-branches such as public economics, industry, agriculture, environment and natural resources, labor, knowledge and ownership of the economy, international finance, money, in political economy and econometrics.
11	It defines and evaluates the concept of business on basic grounds.
12	It provides a sufficient level of legal know-how that may be demanded from high skill labor in both public and private sectors.
13	It defines the role of innovation, creativity and technology in the dynamic global economy.
14	It shows skills that will be useful for future employment opportunities and the working environment.
15	It considers science as a rational individual with professional and ethical responsibility.

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

	L1	L2	L3	L4	L5
P6	3	2	3	2	2
P8	4	3	2	2	3
P11	3	2	3	2	2

