



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Statistics - I							
Course Code		ISL203		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	5	Workload	122 ( <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		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)		Assoc. Prof. Engin ÇAKIR							

### Prerequisites & Co-requisites

ECTS Requisite	25
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### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Newbold, Paul, İşletme ve İktisat için İstatistik,, Çeviren Ümit Şenesen, Literatür Yayınları, 2000.
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Week	Weekly Detailed Course Contents	
1	Theoretical	What is statistics?
2	Theoretical	Summarize numerical information
3	Theoretical	Probability
4	Theoretical	Probability
5	Theoretical	Discrete random variables and probability distributions
6	Theoretical	Discrete random variables and probability distributions. Poisson probability distribution, binomial probability distribution
7	Theoretical	Continuous random variables and probability distributions
8	Theoretical	Continuous random variables and probability distributions
9	Theoretical	Continuous random variables and probability distributions. Exponential probability distribution
10	Theoretical	Continuous random variables and probability distributions. Normal probability distribution
11	Theoretical	Sampling and sampling distributions. Sampling distribution of the sample average of the total sample sampling distribution Central Limit Theorem
12	Theoretical	Sampling and sampling distributions. Sampling distribution of the sample variance of the sampling distribution of sample rate
13	Theoretical	The point estimate
14	Theoretical	Decemder estimate
15	Theoretical	Discussion, problem solving for the final exam
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 quantitative 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 Trade and Finance)

1	To become individuals having high intellectual capacity, improved social skills, positive thinking, the ability to adapt to different environments and institutions
2	To have technical equipment, flexible thinking and action ability and multiple language skills to be capable of working in international platforms
3	To be able to utilize the basic knowledge they obtained with an interdisciplinary approach to business, economics, etc. in creating expertise in the fields of International Trade and Finance in accordance with the requirements of the globalized business world
4	To develop suggested solutions and recommendations by informing the people and institutions predicting regional, national and international problems in the fields of international trade and finance with a proactive approach
5	To possess the ability of analytical thinking and the ability to synthesize with quantitative proficiency as required in the program
6	To have the characteristics to inquire and investigate the knowledge and skills acquired during the education process in relation to the requirements of existing market conditions
7	To identify and analyze the validity of theories related to the international trade and finance and their relationships regarding current conditions
8	To possess the knowledge of a second foreign language to the extent of their individual abilities, besides the competency in the English language to be able to communicate effectively
9	To have the qualifications of managing and being managed to solve existing and potential problems encountered in practice
10	To be able to organize activities that will contribute to the personal and professional development of the employees in the department where he/she holds an executive position

### 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	3	3	3	3	5	3
P2	3	3	3	3	5	3
P3	3	3	3	3	5	3
P4	3	4	3	4	5	3
P5	5	4	4	4	5	3
P6	4	4	3	4	4	3
P7	5	3	3	4	4	3
P8	5	3	3	5	4	3
P9	4	3	3	3	3	3
P10	5	3	3	3	3	4

