AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Statistic						
Course Code	ÜKK112		Couse Level		Short Cycle (Associate's Degree)		
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is; to teach basic statistics principles to students.						
Course Content	definition and subject of statistics, law of large numbers, relation of statistics with other sciences, tables and graphs, frequency distribution table, descriptive statistics						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Discussion					
Name of Lecturer(s)	Ins. Ümit NARİNCE						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Course notes

Week	Weekly Detailed Course Contents	
1	Theoretical	The concept of statistics, the meaning of the word statistics
2	Theoretical	Definition and subject of statistics, law of large numbers
3	Theoretical	Relevance of statistics to other sciences, tables and graphs
4	Theoretical	Frequency distribution table, descriptive statistics
5	Theoretical	Sample space, probability concept
6	Theoretical	Statistical distributions, sampling distributions
7	Intermediate Exam	Midterm
8	Theoretical	Hypothesis Controls, Z Distribution and Z Controls
9	Theoretical	T Distribution and T Controls
10	Theoretical	Confidence Intervals
11	Theoretical	Correlation and Regression Analysis
12	Theoretical	Trend Analysis
13	Theoretical	Index Numbers
14	Theoretical	F Distribution and Analysis of Variance Technique
15	Theoretical	Hypothesis Controls, Z Distribution and Z Controls
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	At the end of the course the student; Define the basic concepts of statistical science.
2	Students will be able to comprehend the basic statistical topics and be able to relate them to science.
3	Will be able to list the measures of central tendency and measures of change.
4	It can graphically display the dataset given numerically with frequencies.

5	Classify variables according to their properties.

Programme Outcomes *(Quality Control in Production)*

1	To be able to be bounded to the Atatürk nationalism, adopted to the national, ethic, spiritual and cultural value of the Turkish Nation, opened to the universal and modern development, adopted the richness, deep seated and productive properties of the Turkish language, having language sympathy and awareness, having reading pleasure and habit and having sufficient foreign language for their vocational necessities, In the directions of the Atatürk Principles and Revolutions,
2	To be able to comprehend social, cultural and societal responsibility and keep up with national and international up contemporary issues and developments.
3	Utilizes together mathematics, science and theoretical and applied knowledge in their field for engineering solutions.
4	Determines, identifies formulizes and solves the problems. For this purpose selects and applies analytical methods and modeling techniques.
5	Selects and utilizes the necessary modern techniques and equipment for industrial applications.
6	Designs and performs experiments, collects data and analyzes and elaborates results.
7	Works effectively as an individual or in multidisciplinary teams.
8	Collects information and makes literature survey for this purpose, utilizes databases and other information sources.
9	Be aware of lifelong learning; follows the developments in science and technology and continuously renews himself.
10	Analyzes and designs under realistic constraints a system, a system component or a process for meeting the required needs, for this purpose applies modern design methods.
11	Acquires professionalism and ethical responsibility in the profession.
12	Communicates by using technical drawing and manufacturing knowledge.
13	Be aware of the universal and social effects of industrial solutions and applications; is aware of entrepreneurship and innovation and has idea about the problems of the era.
14	Has knowledge about quality assurance and standardization and possess skills of execution of operations. In the same time, has the professional and ethical responsibility.
15	Is conscious of project management, business administration, health of the workers, environment and work safety; is aware of the legal consequences of industrial applications.

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

	L1	L2	L3	L4	L5
P2		1	2	1	2
P3	3	3	3	3	3
P4	5	5	5	5	5
P5	4	3	3	3	2
P6	5	5	5	5	5
P7	2	2			
P8	5	5	4	3	3
P9	5	5	3	3	3
P10	5	5	5	5	5
P11	2	1	2	1	1
P13	4	2	3	2	2
P14	4	4	4	3	4
P15	2	3	3	2	3