AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Statistical Evaluation Techniques								
Course Code	LBT217		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	At the end of this course, students will learn basic statistical analysis methods that will enable students to understand basic probability and statistics concepts and use them in their own fields.								
Course Content	Normal and Standard Normal Distribution, Kikare - Tests, Probability Tables, Hypothesis Tests, Simple Linear Regression Analysis, Probability, Random Variables and Probability Distributions, Frequency Distributions, General Graphs, Descriptive Statistics: Central Tendency Measurements and Distribution Measures								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Case Study								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Şanslı Şenol, “Tanımlayıcı İstatistik”, Nobel Yayın Dağıtım, ISBN 978-605-395-146-9

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic statistical concepts
2	Theoretical	Frequency distribution table
3	Theoretical	Main graphics
4	Theoretical	Central tendency measures: Arithmetic mean, Median, Mode
5	Theoretical	Variability measures: Openness, Variance and Standard Deviation
6	Theoretical	Probability: Basic Definitions of Probability Concept
7	Theoretical	Random Variables and Functions
8	Intermediate Exam	Mid-term Exam
9	Theoretical	Continuous Random Variables and Functions
10	Theoretical	Normal Distribution, Standard Normal Distribution
11	Theoretical	Hypothesis Thesis, Mass Average Based Single Sample Z-Test
12	Theoretical	Single Sample T-Test Based on Mass Average
13	Theoretical	Simple Linear Regression Analysis
14	Theoretical	Kikare Tests and Distribution
15	Theoretical	Kikare Tests and Distribution
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	Knowledge of basic statistical concepts
2	Basic probability knowledge

3	Basic concept knowledge about hypothesis testing
4	Statistical tables reading information
5	To comprehend the basic definitions of the concept of probability

Programme Outcomes *(Fruit and Vegetables Processing Technology)*	
1	To be able to understand social, cultural and social responsibilities and to have the ability to follow national and international contemporary
2	In line with the principles and reforms of Atatürk; Adopting the national, moral, spiritual and cultural values ??of the Turkish Nation, open to universal and contemporary developments, the Turkish language is a rich, rooted and productive language; love and awareness of language; to have the ability to use the foreign language sufficiently and with the habit of reading and professionally.
3	To know the basic hardware units and operating systems of computer, internet to be able to prepare documents, spreadsheets and presentations on the computer by using office programs
4	Gains the theoretical and practical knowledge at the basic level in mathematics, science and professional fields
5	Recognize and analyze the problems with the knowledge of fruit and vegetable technology in the field, interpret the data and propose solutions.
6	According to the prepared work plan and program in laboratories, it can carry out the necessary works to obtain the desired quality product.
7	To have professional and ethical responsibility in business life.
8	It is open to development and change, follows scientific social and cultural innovations and constantly improves itself.

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

	L1	L2	L3	L4
P1	1	1	1	1
P2	1	1	1	1
P3	1	1	1	1
P4	5	4	4	4
P5	5	5	5	5
P6	1	1	1	1
P7	1	1	1	1
P8	5	3	4	5