AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Statistical Evaluation Technics						
Course Code	KZM217		Couse Level		Short Cycle (Associate's Degree)		
ECTS Credit	3	Workload	76 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The purpose of the course are teaching basic statistical concepts, data collection, compilation, evaluation and interpretation by statistical methods.						
Course Content	Basic statistical concepts, data, data analysis, interpretation						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Case Study, Problem Solving				
Name of Lecturer(s)							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	50
Assignment	1	20

Recommended or Required Reading

1	İstatistiğe Giriş, Vasfi Tekin, Seçkin Yayıncılık, 2014.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to statistics.
2	Theoretical	Basic concepts and variable types in statistics.
3	Theoretical	Data, information concepts and types.
4	Theoretical	Central Dispersion Measures; Variance, Standard Deviation, Coefficient of Variation
5	Theoretical	Probability Concept, Random Event-Experiment, Sample Space,
6	Theoretical	Random Variables, Probability Function
7	Theoretical	Classical / Postrerior Probability Definitions , Rule of Counting; Permutation and Combination, Multiplication Rule
8	Intermediate Exam	Midterm exam
9	Theoretical	Expected Value and Its Properties, Mean and Standard Deviation
10	Theoretical	Binomial Distribution
11	Theoretical	Normal Distribution, Standard Normal Variable, Z table
12	Theoretical	Data Set applications using Excel
13	Theoretical	Data Set applications using Excel
14	Theoretical	Review of topics with case studies
15	Theoretical	Review of topics with case studies
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	3	56
Assignment	1	2	2	4
Midterm Examination	1	6	1	7
Final Examination	1	8	1	9
			Total Workload (Hours)	76
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learns the basic statistical concepts required in the scientific research process.

2	Learns the basic techniques and usage methods of statistics.
3	Learn to organize, summarize and interpret data.
4	Improves the problem solving and interpretation skills.
5	Comments and reports the solution results.

Programme Outcomes *(Cosmetic Technology)*

1	To define and classfify cosmetics.
2	To learn the classification of cosmetic raw materials, purposes, products to use and what properties should be carried.
3	To describe and classify toxicity, to learn toxic substances and analyze methods.
4	To learn laboratory safety, to apply safety precautions when working with dangerous chemicals.
5	To learn and apply necessary tests for cosmetic raw materials, intermediates and finished products.
6	To perform a scientific study, analyze study and report results of study scientifically.
7	To interpret experimental results, to evaluate data in point of cosmetic science.
8	To act in accordance with the principles of ethics, to have awareness of professional and ethical responsibility.
9	To be individuals who are committed to Atatürk's Principles and Revolutions, contemporary, democratic, secular, protecting and developing their country, protecting their nation, respecting human rights, protecting nature, non-discriminatory, adhering to their traditions and customs, and protecting their values.
10	To be an individual who has completed his personal development, can adapt to society and contribute positively

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	4	5	5	4	4
P7	4	5	4	4	4