

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Statistical Eva	luation Techn	iques					
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 t understand ba	his course, strasic probability	udents will le	earn basic s	tatistical analy and use them	sis methods in their own	that will enable st fields.	tudents to
Course Content		Normal and S Linear Regres Distributions, Measures	tandard Norm sion Analysis General Grap	al Distributio , Probability, hs, Descripti	n, Kikare - Random V ve Statistic	Tests, Probab ariables and P s: Central Tene	ility Tables, H Probability Dis dency Measu	Hypothesis Tests, stributions, Freque irements and Dist	Simple ency tribution
Work Placement		N/A							
Planned Learning Activities and Teaching Methods		Explanation	(Presenta	tion), Case Stu	ıdy				
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity Percentag	
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	14 0		28	
Midterm Examination	1	10	1	11	
Final Examination	1	10	1	11	
	50				
	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 proba	ability

Programme Outcomes (Cosmetic Technology)

Flogia	annie Outcomes (cosmetic rechnology)
1	To know the classification of cosmetic raw materials, for what purpose, in which products and how much they should be used
2	Define and classify cosmetics,
3	To define, classify toxicity, Toxic substances and detoxification ways of these substances to know. To be able to analyze toxic substances.
4	To be aware of the precautions to be taken when working with hazardous chemicals in terms of laboratory safety and human health.
5	To have the ability to use basic mathematical methods to produce solutions.
6	To be able to define the carrier systems used in cosmetics, to be able to choose the carrier system to be used according to the cosmetic product.
7	To know and apply the necessary tests in cosmetic raw materials, intermediate products and finished products.
8	Depending on the Atatürk nationalism in accordance with Atatürk's principles and reforms, adopted the national, moral, spiritual and cultural values of the Turkish Nation, and has adopted that the Turkish language is a rich, rooted and productive language; have love and awareness of language; to have the ability to use the foreign language sufficiently to have the pleasure and habit of reading and need professionally.

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

	L1	L2	L3	L4	L5	
P5	5	5	5	5	5	

