

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Statistics							
Course Code	ZT462		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit 3	Workload	81 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course The objectives of this course are teaching the concept of elementary statistics and giving the skill of use of statistical methods for student to analyze raw data and interpret results.								
Course Content The course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning, sampling and experimentation, descriptive states from the course content include statistical reasoning states from the course content in content in course content in content in content in content in content in content in conte								
Work Placement N/A								
Planned Learning Activities and Teaching Methods Explanation (Presentation), Demonstration								
Name of Lecturer(s) Assoc. Prof. Onur YILMAZ								

Assessment Methods and Criteria					
Method	Quantity	Percentage (%)			
Midterm Examination	1	25			
Final Examination	1	70			
Quiz	2	15			

Recommended or Required Reading 1 Puskulcu, H., Ikiz, F., Eren, S. 2006. Introduction to Statistics. Baris Yayinlari. Fakulteler Kitabevi, Izmir. 2 Atil, H. 1998, Statistics (in Turkish). Published by Faculty of Agriculture of Aegean University, No.531, Bornova, İzmir. 3 Yildiz, N., Bircan, H., 2008. Applied Statistics (in Turkish). Nobel Press, Turkey. ISBN:9944770612

Week	Weekly Detailed Cours	se Contents				
1	Theoretical	Introduction to statistical reasoning. Fundamental statistical terms				
2	Theoretical	Descriptive statistics. Organizing and summarizing data: frequency tables and graphics.				
3	Theoretical	Describing data with averages and describing variability				
4	Theoretical	Basic concepts of probability theory. Probability distributions				
5	Theoretical	Discrete probability distributions: binomial and poisson				
6	Theoretical	Continuous probability distribution: normal distribution				
7	Theoretical	Statistical inference: point and interval estimations				
8	Intermediate Exam	Midterm exam				
9	Theoretical	Statistical hypothesis testing. Errors of type I and II. Power of test				
10	Theoretical	Large sample tests: z test to compare one population or two population mean or ratio				
11	Theoretical	Small sample tests: t test for compare one sample, two independent samples and two related samples means.				
12	Theoretical	Chi-Square (?2) tests				
13	Theoretical	Relationships among variables: linear regression analysis				
14	Theoretical	Relationships among variables: correlation analysis				
15	Theoretical	Anaysis of Variance (ANOVA) for one factor				
16	Final Exam	Final Exam				

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	16	1	2	48
Midterm Examination	1	14	1	15
Final Examination	1	17	1	18
	81			
	3			
*25 hour workload is accepted as 1 ECTS				



Learning Outcomes						
1	To gain the statistical point of view					
2	To be able to understand and use the probability distribution	n				
3	To acquire ability of the statistical inference					
4	To be able to write and test the hypothesis					
5	To be able to use statistical techniques and methods					

Ability to examine agricultural problems under the light of basic science, mathematics, and agricultural Ability to plan and apply in different agricultural systems in horticultural crop plants To constitute and realize breeding programmesaccording to market demands Ability to propagate any kinds of stock materials in horticultural crop plants Ability ot transfer of modern technologies to production Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop evaluate, and manage different quality parameters) To think analytically of protecting, providing transfer to future, and having responsibility to environmental belong to horticultural crop plants area Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural homework, thesis, summer training) Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these written ways (Turkish, social course) To be able to perform in a teamwork	
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To be determined to provide the provide th	subjects by verbal and
Ability to work independently, give decision, and Express own thoughts by occupational-ethic values horticultural crop plants	s verbal and written ways in
Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, subjects in a web of communication, and to develop by social means	, be a part of a related

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

	L1	L2	L3	L4	L5
P8	5	5	5	5	5
P12	5	5	5	5	5

