AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Applied Statistics						
Course Code		ZT201		Couse Level		First Cycle (Bachelor's Degree)		
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Provide the student with the fundamental statistical knowledge and toolbase to perform statistical data analysis						
Course Content		Theoretical and applied statistics, statistical term and notations, descriptive statistics (mean, mode, median, variance, standard deviation), statistical distributions, sampling distribution of statistics, hypothesis testing, correlations and simple regression analysis and analysis of variance						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Prof. Kadir KIZILKAYA						

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Kesici, T., Kocabaş, Z. 1998. Biyoistatistik. Ankara Üni. Eczacılık Fak. Yayın No: 79.
2	Yüzer, A.F., Ağaoğlu, E., Tatlıdil, H., Özmen, A., Şıklar, E. 2004. İstatistik. Anadolu Üni. Açıköğretim Fak. Yayın No: 771.

Week	Weekly Detailed Course Contents	
1	Theoretical	Theoretical and applied statistics, statistical notations and definitions
2	Theoretical	Data types and statistical graphics
3	Theoretical	Data types and statistical graphics
4	Theoretical	Descriptive statistics (mean, mode and median, etc.)
5	Theoretical	Descriptive statistics (variance, standard deviation, etc.)
6	Theoretical	
7	Theoretical	Probability
8	Theoretical	Statistical distributions
9	Theoretical	Statistical distributions
10	Intermediate Exam	Midterm Exam
11	Theoretical	Sampling distribution of statistics, hypothesis testing
12	Theoretical	Sampling distribution of statistics, hypothesis testing
13	Theoretical	Correlations
14	Theoretical	Simple regression analysis
15	Theoretical	Analysis of variance
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Midterm Examination	1	15	2	17
Final Examination	1	25	2	27
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learning about Statistics and relationships between statistics and other departments
2	Earning fundamental knowledge about application of statistics
3	Learning how to use at least one statistical package
4	Learning how to collect, organize and analyze data
5	Learning how to interpret statistical results
6	Earning the ability of decision making for future based on the statistical results
7	Earning the ability to use statistical experiences in others areas