AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Statistics II					
Course Code		ULT226		Couse Level	First Cycle (Bachelor's Degree)		
ECTS Credit	6	Workload	153 (Hours)	Theory	3	Practice	0	Laboratory	0

Objectives of the Course	The purpose of this course is to teach methods for hypothesis testing, analysis of the relationships between variables, making predictions and estimations about variables.
Course Content	This course deals with topics such as hypothesis testing, linear correlation, regression and variance analysis.
Work Placement	N/A
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study, Problem Solving
Name of Lecturer(s)	Assoc. Prof. Algın OKURSOY, Assoc. Prof. Didem TEZSÜRÜCÜ COŞANSU, Lec. Zümre ÖZDEMİR GÜLER

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Paul NEWBOLD, İşletme ve İktisat için İstatistik, Çev. Ümit ŞENESEN, Literatür Yayınları, 2000

Week	Weekly Detailed Course Contents	
1	Theoretical	Normal Dist and Standart Normal Dist.
2	Theoretical	Applications of Normal Dist.
3	Theoretical	Sampling and Sampling Method
4	Theoretical	Sampling Dist. for One Sample Statistics
5	Theoretical	Sampling Dist. for Two Sample Statistics
6	Theoretical	Point Estimation of Population
7	Theoretical	Interval Estimation
8	Theoretical	Hypotesis Tests for One Population Parameters
9	Intermediate Exam	Midterms
10	Intermediate Exam	Midterms
11	Theoretical	Hypotesis Tests for Two Population Parameters
12	Theoretical	One Way ANOVA
13	Theoretical	Chi-Square Tests
14	Theoretical	Correlation and Regression Analysis
15	Theoretical	Correlation and Regression Analysis
16	Final Exam	Finals

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	2	3	65
Individual Work	13	0	2	26
Midterm Examination	1	25	1	26
Final Examination	1	35	1	36
			Total Workload (Hours)	153
			[Total Workload (Hours) / 25*] = **ECTS**	6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to set hypothesis.
2	To be able to test hypotheses using appropriate methods.
3	To be able to find linear relationship between variables.
4	To be able to predict future values of variables using historical data.
5	To be able to make predictions about a variable using the relationships between variables.
6	To be able to estimate the difference between two population means.

Programme Outcomes *(Human Resources Management)*

1	Having adequte scientific knowledge of Human Resources Management, basic business concepts and other social sciences
2	Thinking critically and analytically
3	Having knowledge of communication and information technologies
4	In-depth understanding of the research process and application of a range of research techniques into studies, researches and projects
5	In-depth understanding of usage of Human Resources Management and other social sciences theoretical and applied knowledge together.
6	Ability to interpret basic Business concepts from Human Resource Management perspective
7	Ability to implement basic HRM responsibilities in institutions such as HR Planning and staffing, labor relations, occupational healthy and safety, training planning, performance and rewards management, career planning, employment and interview techniques and legal HR issues
8	Implementing quality process approach into HRM process by considering institutional development, internal and external customer satisfaction; in case of need, having sense of responsibility making contribution for problem solving and continuous development and process excellence ability by problem identification, goal setting, reorganisation and change management skills
9	Management of resources and assets by considering budgetary, financial and legal issues; management of projects/operations with the ability of planning, implementation, and auditing; Having skills on management of self and other people
10	Enriching result oriented working approach with continous learning approach
11	Strong oral and written communication skills and ability to present ideas and information effectively
12	Monitor and communicate with colleagues in a foreign language using at least the European Language Portfolio B1 General Level
13	Ability to work with people of various cultural and educational background by valuing team work, developing emphathy and listening skills
14	Being conscious on social, academic and professional ethical values
15	Development of critical theoretical appreciation of ´how´, ´why´ and ´where´ HRM contributes to and supports employee and societal development, and implementing these approach for applied and graduate projects and working life

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

	L1	L2	L3
P2	3	3	
P3			4
P4	3	2	
P5			4
P6	4		
P7		4	
P8	5		5
P9		4	
P10	5		
P11		4	5
P13		4	
P15	4	5	5