AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Financial Statistics II						
Course Code		UTIF211		Couse Level		First Cycle (Bachelor's Degree)		
ECTS Credit	5	Workload	126 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Statistical analysis used in financial transactions to students of the Department of International Trade and Finance. to gain the ability to apply methods.						
Course Content		In this course, to be able to have information about continuous probability distributions, to understand the basic idea in statistics; To be familiar with statistical concepts, to summarize data clearly and comprehensibly, to make parameter estimation, to test hypotheses about averages and ratios, to gain experience in interpreting statistical analysis results and to make statistical inferences will be explained.						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Problem Solving					
Name of Lecturer(s)		Lec. Bilge DOĞANLI						

Prerequisites & Co-requisities

Prerequisite	UTIF210

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Serper, Ö. (1992). Uygulamalı İstatistik 2. Filiz Kitapevi. İstanbul.
2	Gürsakal, N. (2009), Çıkarımsal İstatistik Dora Basım Yayın,Bursa.
3	Miran, B. (2021). Temel İstatistik: Genişletilmiş baskı (Vol. 1). Bülent Miran.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to financial series
2	Theoretical	Statistical analysis of financial series
3	Theoretical	Statistical Estimation-Range Estimation of Population Parameter
4	Theoretical	Statistical Decision Making-Hypothesis Tests Regarding the Parameters of a Single Population
5	Theoretical	Sampling Theory
6	Theoretical	T-Test, One-Way Analysis of Variance
7	Theoretical	Chi-Square Tests: General Information and Chi-Square Suitability Test
8	Theoretical	Midterm
9	Theoretical	Sampling Theory
10	Theoretical	Chi-Square Tests: General Information and Chi-Square Suitability Test
11	Theoretical	Chi-Square Tests: Chi-Square Independent Test and Chi-Square Homogeneity Test
12	Theoretical	F Test and Analysis of Variance
13	Theoretical	Regression and Correlation: General Definitions, Simple Linear Regression and Correlation
14	Theoretical	Regression and Correlation: Multiple Linear Regression and Correlation
15	Theoretical	Time Series Analysis: Basic Concepts and Trend Finding
16	Theoretical	Time Series Analysis: Measuring Seasonal and Cyclical Fluctuations

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	3	4	105
Midterm Examination	1	8	1	9

Final Examination	1	10	2	12
			Total Workload (Hours)	126
		[Total Workload (Hours) / 25*] = **ECTS**		5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To have knowledge about continuous probability distributions.
2	To be able to understand the basic idea in statistics.
3	Ability to summarize data in a clear and understandable manner.
4	Ability to test hypotheses about means and ratios
5	Gaining experience in interpreting statistical analysis results.

Programme Outcomes *(International Trade and Finance)*

1	To become individuals having high intellectual capacity, improved social skills, positive thinking, the ability to adapt to different environments and institutions
2	To have technical equipment, flexible thinking and action ability and multiple language skills to be capable of working in international platforms
3	To be able to utilize the basic knowledge they obtained with an interdisciplinary approach to business, economics, etc. in creating expertise in the fields of International Trade and Finance in accordance with the requirements of the globalized business world
4	To develop suggested solutions and recommendations by informing the people and institutions predicting regional, national and international problems in the fields of international trade and finance with a proactive approach
5	To possess the ability of analytical thinking and the ability to synthesize with quantitative proficiency as required in the program
6	To have the characteristics to inquire and investigate the knowledge and skills acquired during the education process in relation to the requirements of existing market conditions
7	To identify and analyze the validity of theories related to the international trade and finance and their relationships regarding current conditions
8	To possess the knowledge of a second foreign language to the extent of their individual abilities, besides the competency in the English language to be able to communicate effectively
9	To have the qualifications of managing and being managed to solve existing and potential problems encountered in practice
10	To be able to organize activities that will contribute to the personal and professional development of the employees in the department where he/she holds an executive position

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

	L1	L2	L3	L4	L5
P1	4	3	3	4	4
P2	5	2	4	3	3
P3	5	3	5	4	5
P4	5	4	5	5	4
P5	5	4	5	5	5
P6	4	5	4	4	5
P7	4	5	4	4	4
P8	4	5	3	4	3
P9	5	4	3	5	4
P10	5	5	3	5	5