OSTİM TECHNICAL UNIVERSITY
FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

COURSE SYLLABUS FORM
2020-2021 SPRING

ITF 206 Business Statistics

Course Name	Course Code	Period	Hours	Application	Laboratory	Credit	ECTS
BUSINESS STATISTICS	ITF 206	4	3	1	0	3	5

Language of Instruction	English
Course Status	Compulsory
Course Level	Bachelor
Learning and Teaching Techniques of the Course	Theoretical teaching, Group Work, Questions and Answers, Practical Problem Solving

Course Objective

The aim of this course is to understand the importance of basic concepts of business statistics in the business world, to understand how the business world uses statistics and data analyses, and to recognize the usage areas of data management in businesses.

Learning Outcomes

Upon successful completion of this course, a student will be able to:

- understand the basic concepts of business statistics.
- explore the usage areas of statistics and data in business life.
- have knowledge on subjects such as sampling theory and distributions; confidence intervals and hypothesis testing; regression.
- understand how statistics is used in order to solve a business problem.

Course Outline

The main aim of the course theoretical background of the area with daily life examples. Learning basic business statistics and their application in business environment will be the main goal. The course covers various topics like descriptive statistics, probability, discrete and continuous random variables, estimation, hypothesis testing, regression analysis. The course emphasizes statistics to solve management problems.

Weekly Topics and Related Preparation Studies

Weeks	Topics	Preparation Studies
1	25.02.2021	Introduction and Describing Data
2	04.03.2021	Probability

3	11.03.2021	Discrete Random Variables and Probability Distributions
4	18.03.2021	Continuous Random Variables and Probability Distributions
5	25.03.2021	Sampling and Sampling Distributions
6	01.04.2021	Estimation
7	08.04.2021	Estimation II
8	**Midterm (15.04.2021)**	
9	22.04.2021	Hypothesis Testing
10	29.04.2021	Simple Regression
11	06.05.2021	Multiple Regression
12	13.05.2021	Multiple Regression II
13	20.05.2021	Goodness-of-Fit Tests
14	27.05.2021	Analysis of Variance
15	03.06.2021	Analysis of Variance II
16	**Final Exam**	

Textbook(s)/References/Materials:
▪ Basic Statistics for Business and Economics. Douglas Lind, William Marchal, Samuel Wathen. Mc Graw Hill. 9th Edition. 2018.

Assessment		
Studies	**Number**	**Contribution margin (%)**
Active Participation	14	10
Lab		
Application		
Field Study		
Course-Specific Internship (if any)		
Quizzes / Studio / Critical		
Homework	5	30
Presentation		
Projects		
Report		
Seminar		
Midterm Exam	1	25

Final Exam	1	35	
Total		**100**	
Success Grade Contribution of Semester Studies		40	
Success Grade Contribution of End of Term		60	
Total		**100**	

Relationship Between Course Learning Outcomes and Program Competencies

Nu	Learning Outcomes	Contribution Level				
		1	2	3	4	5
1	Present basic statistics					x
2	To analyze practical implications of theoretical statistical knowledge acquired in class				x	
3	Gain experience to use statistics in order to solve management problems.				x	
4	To present obtained data in a formal presentation					x

ECTS / Workload Table

Activities	Number	Duration (Hours)	Total Workload
Course hours (Including the exam week: 16 x total course hours)	16	3	48
Laboratory			
Application			
Course-Specific Internship			
Field Study			
Study Time Out of Class	16	2	32
Presentation / Seminar Preparation			
Projects			
Reports			
Homework			
Quizzes / Studio Review			
Preparation Time for Midterm Exams / Midterm Jury	1	6	6
Preparation Period for the Final Exam / General Jury	1	6	6
Total Workload	**(92/25 = 3,68)**		**92**