

STATISTICS I

1	Course Title:	STATISTICS I
2	Course Code:	EKO2209
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ERKAN IŞIGIÇOK
15	Course Lecturers:	Öğr.Grv:Dr.Filiz GÜLSOY
16	Contact information of the Course Coordinator:	E-mail: eris@uludag.edu.tr Telefon: 224 29 41101 Adres: Bursa Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, Görükle, Bursa
17	Website:	
18	Objective of the Course:	Introduction to probability theory and learning the basic statistical concepts and theories.
19	Contribution of the Course to Professional Development:	Statistical methods and techniques of education is to give the students can apply to their fields.
20	Learning Outcomes:	
	1	The student gains the ability to create the model in data collection.
	2	Acquires knowledge of organizing and evaluating the collected data.
	3	The student can make the necessary arrangements and taking measures according to the results of statistical techniques.
	4	Ability to easily adapt the subject after receiving the basic information of interest to develop.
	5	Ability to easily participate in team practices.
	6	The student gains the ability to solve the problem of theoretical and statistical techniques.
	7	Knows and applies the daily problems of probability functions.
	8	Hypothesis testing can create and solve.
	9	Hypothesis testing can be applied to problems in various models.
	10	The student can analyze by using probability and statistical informations.
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	Set Theory	
2	Necessary Basic Concepts	
3	Statistical data, data collection, tables and graphics support	
4	Measures of Central Tendency	
5	Measures of Central Distribution	
6	Probability and Probability Distributions	
7	Continuous probability distributions	
8	Discrete Probability Distributions	
9	Discrete probability distributions-applications	
10	Hypothesis testing-I	
11	Hypothesis testing-II	
12	Regression and correlation analysis	
13	Variance Analysis	
14	General review and applications	

22	Textbooks, References and/or Other Materials:	1) Prof.Dr. Fikri Akdeniz Probability and Statistics Nobel Publishing (in Turkish). 2) Prof. Dr. Aziz Bener, Mathematical Statistics (Probability), YTU Publishing (in Turkish).
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23	Assesment	
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Activites	Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0.00	
Theoretical	14	3.00	42.00
Homeworks	0	0.00	0.00
Practicals/Labs	0	0.00	0.00
Final Exam	1	60.00	60.00
Self study and preperation	14	3.00	42.00
Total	14	66.00	102.00
Homeworks	0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	0.00	0.00
Field Studies	0	0.00	0.00
Contribution of Final Exam to Success Grade	60.00	0.00	0.00
Midterm exams	1	40.00	40.00
Total	14	66.00	102.00
Others	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course	1	60.00	60.00
Final Exams	1	60.00	60.00
Total Work Load			224.00
Total work load/ 30 hr			6.13
ECTS Credit of the Course			6.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK2	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK3	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK4	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0

ÖK5	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK6	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK7	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK8	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK9	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
ÖK10	1	1	3	1	4	1	1	1	1	1	1	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			