PROBABILTY AND STATISTICS

1	Course Title:	PROBABILTY AND STATISTICS	
2	Course Code:	MAT2017	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
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:	Fen-Edebiyat Fakültesi Matematik Bölümü tüm öğretim üyeleri	
16	Contact information of the Course Coordinator:	e-posta:eyasar@uludag.edu.tr Telefon:0224 2941768 Adres:U.Ü Fen-Edb. Fak. Mat. Böl. B102 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:		
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	Problem solving	

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

22	Textbooks, References and/or Other Materials:	
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Total	2	100.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	6.00	6.00
Others	1	6.00	6.00
Final Exams	1	10.00	10.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				