PROBABILTY AND STATISTICS

1	Course Title:	PROBABILTY AND STATISTICS	
2	Course Code:	EEM3401	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
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. ERDOĞAN DİLAVEROĞLU	
15	Course Lecturers:	Prof. Dr. Tuncay Ertaş	
16	Contact information of the Course Coordinator:	Prof. Dr. Erdoğan Dilaveroğlu E-mail: dilaver@uludag.edu.tr Tel: (224) 294 2012 Elektrik-Elektronik Müh. Böl., 3. Kat, 324.	
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:	To be able to follow innovations and apply them in the field by using the competence of collecting information, researching and analyzing them.	
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	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
Home work-project	0	0.00
Practicals/Labs	14	28.00
Self study and preperation	14	42.00
Homeworks	0	0.00
Projects	0	0.00
Contribution of Final Exam to Success Grade		60.00
Field Studies	0	0.00
Total		100.00
Midterm exams	1	6.00
Others	1	6.00
Final Exams	1	10.00

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			126.00
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**
ÖK1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**