	MATHEMATICAL STATISTICS											
1	Course Title:	MATHEN	MATICAL STATISTICS									
2	Course Code:	MAT303	9									
3	Type of Course:	Optional										
4	Level of Course:	First Cyc	le									
5	Year of Study:	3										
6	Semester:	5										
7	ECTS Credits Allocated:	5.00										
8	Theoretical (hour/week):	3.00										
9	Practice (hour/week):	0.00										
10	Laboratory (hour/week):	0										
11	Prerequisites:	Mat 2017	7 Probablity and Statistics									
12	Language:	Turkish										
13	Mode of Delivery:	Face to f	ace									
14	Course Coordinator:	Prof. Dr.	EMRULLAH YAŞAR									
15	Course Lecturers:	Fen-Ede	biyat Fakültesi Matematik Bölümü tüm öğretim üyeleri									
16	Contact information of the Course Coordinator:	e-posta:eyasar@uludag.edu.tr Telefon:0224 29 41 768 Adres:U.Ü Fen-Edb. Fak. Mat. Böl. B102 Görükle Bursa										
17	Website:											
18	Objective of the Course:	Basic co aspects analysis,	ncepts of mathematical statistics. In addition, theoretical of sampling techniques, hypothesis testing, variance , regression and correlation analysis, and applications.									
19	Contribution of the Course to Professional Development:	Gain the mathema	background to follow new developments in the field of atical statistics									
20	Learning Outcomes:											
		1	Learns the basic concepts and theory of statistics.									
		2	Acquires s the basic theory of sampling techniques									
		3	Acquires the basic theory of hypothesis testing.									
		4	Learns the variance analysis and its basic theory.									
		5	Learns the regression analysis and its basic theory.									
		6	Learns the correlation analysis and its basic theory.									
		7										
		8										
		9										
		10										
21	Course Content:											
	Course Content:											
Week			Practice									
1	Sampling Theory	_										
2	Sampling Theory and the distribution Random numbers	IS,										
3	Estimation theory, a point estimate,											
4	Sampling Techniques I											
5	Sampling Techniques II											

6	Hypothesis Testing I																			
7	Midterm exam, Hypothesis Testing I																			
8	Hypothesis Testing II																			
9	Variance Analysis I																			
10	Variance Analysis II																			
11	Correlation Analysis I																			
12	Correl	atic	on Ana	alysis	II															
13	Nonpa	netric	Meth	ods																
14	General review and applications																			
22	Textbooks, References and/or Other Materials:									<ol> <li>Prof.Dr. Fikri Akdeniz Probability and Statistics Nobel Publishing (in Turkish).</li> <li>Prof. Dr. Aziz Bener, Mathematical Statistics I, II, YTU Publishing (in Turkish).</li> </ol>										
23	Asses	me	nt																	
TERM L	EARNI	NG	ACTI	VITIES	;		N	UMBE	WE	WEIGHT										
Midtern	erm Exam 1								40	40.00										
Quiz	iiz 0 (									0.00										
Home v	ome work-project 0 (									0.00										
Final E	inal Exam 1									60.00										
Activites									1	Number Duration (h					nour) Total Work Load (hour)					
Chetribution of Final Exam to Success Grade									60	1040			3.00		42.00					
Practic	racticals/Labs								(	)			0.00		0.00					
Øølastu	Relastudinend and revaluation Techniques Used in the								e Tó	l <del>å</del> sk q	uestior	is abou	t tβø99u	bject c	162109son and					
Homew	omeworks												3.00	3.00 42.00						
Project	ojects a										and answer) among stude 003 in order to un Debaand the									
Field S	ïeld Studies									0 0.00					0.00					
Midtern	Interm exams									1					6.00					
Others	ners										2 6.00					12.00				
Final E	xams								1	1 6.00						6.00				
Total W	otal Work Load												156.00							
Total w	Total work load/ 30 hr												5.00							
ECTS	ECTS Credit of the Course									5.00										
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																			
	PC	21	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	4		4	1	1	1	1	1	1	1	1	0	0	0	0	0	0			
ÖK2	4		4	1	1	1	1	1	1	1	1	0	0	0	0	0	0			
ÖK3	4		4	1	1	1	1	1	1	1	1	0	0	0	0	0	0			
ÖK4	4	4 4 1 1 1 1 1 1							1	1	1	0	0	0	0	0	0			
									L											

ÖK5	4	4	1	1	1	1	1	1	1	1	0	0	0	0	0	0
ÖK6	4	4	1	1	1	1	1	1	1	1	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			:	2 low			3 Medium			4 High			5 Very High			