	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:	aspects (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:										
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:										
10.		urse Content:									
	Theoretical		Practice								
1	Sampling Theory	_									
2	Sampling Theory and the distribution Random numbers	S,									
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	Correlation Analysis II																	
13	Nonparametric Methods																	
14	General review and applications																	
22								Pi	Prof.Dr. Fikri Akdeniz Probability and Statistics Nobel Publishing (in Turkish). Prof. Dr. Aziz Bener, Mathematical Statistics I, II, YTU Publishing (in Turkish).									
23	Assesm	ent																
TERM LEARNING ACTIVITIES NUMBE							€ W	WEIGHT										
Midtern									40.00									
Quiz	uiz 0								0.00									
Home v	me work-project 0								0.00									
Final Ex	inal Exam 1								60.00									
Activites								Numb	er		Dura	ition (Total Work Load (hour)					
Chetribution of Final Exam to Success Grade							6	01040			3.00	3.00						
Practica	icticals/Labs								0		0.00	0.00						
Delastu	เมชทอกช่องสมัยงายเกิดการ								14		3.00			42.00				
Homew	eworks								14		3.00			42.00				
Project	ctkeC12 / WOKK LOAD TABLE								0			0.00			0.00			
Field St	d Studies								0						0.00			
Midtern	dterm exams								1					6.00				
Others	rs								2					12.00				
Final E	Exams								1					6.00				
Total W	otal Work Load											150.00						
Total w	Total work load/ 30 hr													5.00				
ECTS (ECTS Credit of the Course												5.00					
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1	PQ11	PQ12	PQ1	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

ÖK4

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