MATHEMATICAL STATISTICS										
1	Course Title:	MATHEMATICAL STATISTICS								
2	Course Code:	EKO3201								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cycle								
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:	No								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. Nuran Bayram								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	E-posta:nuranb@uludag.edu.tr Telefon:0224 2941126 Adres:Uludağ Üniversitesi Görükle Kampüsü İktisadi ve İdari Bilimler Fakültesi Ekonometri Bölümü								
17	Website:									
18	Objective of the Course:	The objective of this course is to gain the knowledge of mathematical statistics perspective and to teach how to use these in the circumstances of business world.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To be able to perform knowledge related to probability theory in the social life							
		2	To be able to recognize and use random variables functions							
		3	To be able to comprehend the basics of discrete and continuous distributions							
		4	To be able to use the relations between distributions							
		5	To be able to perform point, interval estimations and hypothesis testing of averages, proportions, variances related to population in case of small sample							
		6	To be able to perform point, interval estimations and hypothesis testing of averages, proportions, variances related to population in case of big sample							

		7	To be able to build and test hypothesis about more than two population parameters							
		8	To be able to perform nonparametric analysis of Variance techniques							
		9								
		10								
21	Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	Probability									
2	Random variables									
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Theore	ical	nte	14	3.00	42.00					
Practic	als/Labs		0	0.00	0.00					
Self stu	(Midda Brepherexiam)		14	3.00	42.00					
Homew	vorks		0	0.00	0.00					
Pro <b>9</b> ect	Continuous distributions		0	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Mi <b>df</b> ern	Statistical decision theory and decision	on	1	20.00	20.00					
Others			1	15.00	15.00					
Final E	Malang		1	30.00	30.00					
Total W	/ork Load				149.00					
To <b>ta</b> l w	ov kurliqaadde Gan katysis				4.97					
ECTS (	Credit of the Course				5.00					
22	Textbooks, References and/or Other Materials:		<ul> <li>Mustafa Aytaç, Matematiksel İstatistik, 6th Ed, Ezgi Kitabevi, Bursa, 2017.</li> <li>Robert V. Hogg, Joseph W. McKean, Allen Thornton Craig, Introduction to Mathematical Statistics, Pearsin Education, 2005.</li> <li>Irvın Miller, Maryless Miller, John E. Freund's Mathematical Statistics, Prentice-Hall, New Jersey, 1999.</li> <li>Steven F. Arnold, Mathematical Statistics, 1990.</li> <li>Ron C. Mithelhammer, Mathematical Statistics for Economics and Business, Springer-Verlag, New Springer- Verlag, New York, 1996.</li> </ul>							
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TERM LEARNING ACTIVITIES						N	IUMBE	E WE	WEIGHT							
Midterm Exam						1	<u> </u>	40	40.00							
Quiz 0							0.0	0.00								
Home work-project 0						)	0.0	0.00								
Final Exam							60	60.00								
Total 2						2	10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade							to	40	40.00							
Contribution of Final Exam to Success Grade						60	60.00									
Total							10	100.00								
Measurement and Evaluation Techniques Used in t						d in th	ne	•								
24 EC	;TS/	' WO	RK L	OAD	TAB	LE										
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	3	4	4	3	3	4	3	4	3	3	4	0	0	0	0
ÖK2	3	4	4	3	4	4	3	4	4	3	4	3	0	0	0	0
ÖK3	4	3	3	4	4	4	3	3	4	3	4	3	0	0	0	0
ÖK4	3	4	3	3	4	4	5	4	4	3	4	4	0	0	0	0
ÖK5	4	4	4	3	3	4	5	5	5	3	3	3	0	0	0	0
ÖK6	4	4	4	5	3	4	5	5	5	3	5	4	0	0	0	0
ÖK7	3	4	4	4	4	3	2	3	3	4	3	4	0	0	0	0
ÖK8	4	5	3	4	3	3	4	4	4	4	4	4	0	0	0	0
			LO: L	earr	ning (	bjec	ctives	s F	PQ: P	rogra	ım Qu	alifica	tions	5		
Contrib 1 very low ution Level:		low	2 low 3 M			Med	edium 4 High			5 Very High						