STATISTICAL DECISION THEORY											
1	Course Title:	STATIS	STICAL DECISION THEORY								
2	Course Code:	EKO220	2								
3	Type of Course:	Compuls	ory								
4	Level of Course:	First Cyc	le								
5	Year of Study:	2									
6	Semester:	4									
7	ECTS Credits Allocated:	7.00									
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 f	face								
14	Course Coordinator:	Prof. Dr.	Nuran Bayram								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	E-posta Telefon: Adres: U Ekonom	nuranb@uludag.edu.tr 0 224 2941126 Iudağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, ətri Bölümü,16059, Görükle/Bursa.								
17	Website:										
18	Objective of the Course:	The aim and deci certainty theory, u	of the course is to gain knowledge about different models sion analysis techniques for decision-making under and uncertainty using concepts such as statistical decision itility theory, decision trees, Bayes theorem.								
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To be able to know the basic concepts of statistical decision theory.								
		2	To be able to define the problem of decision-making.								
		3	To be able to solve cost structure decision problems								
		4	To be able to know the rules and concepts of game theory.								
		5	To be able to apply analysis of decision making under uncertainty and risk.								
		6	To be able to apply the decision tree analysis.								
		7	To be able to use knowledge of sampling when statistical making-decisions.								
		8	To be able to use Bayes theorem when statistical making- decisions.								
		9	To be able to apply the markov analysis.								
		10	To be able to know multi-criteria decision making methods.								
21	Course Content:										
		Co	ourse Content:								
Week			Practice								
1	The definition and characteristics of making	decision									

2	Elements and stages of decision-making																			
3	Present the decision-making problem																			
4	Турез	s of	Decis	ion-m	aking															
5	Cost-	stru	ctured	d decis	sion p	roblem	S													
6	Decis	sion	makir	ng und	ler un	certain	ty													
7	Decis	sion	makir	ng und	ler risl	k														
8	Decis	sion-	tree a	inalysi	is															
9	Baye: know	s the ledg	eorem	and o ampli	decisiong	on-mał	king w	ith												
10	Discrete distributions in decision-making with Bayesian approach																			
11	Continious distributions in decision-making with Bayesian approach																			
12	Game	e the	eory																	
13	Marko	ov a	nalysi	is																
14	Multi-	crite	eria de	ecisior	n-mak	ing me	thods													
22	Textbooks, References and/or Other Materials:									<ol> <li>Necmi Gürsakal, Bayesgil İstatistik, Uludağ Üniversitesi Yayınları, 1992.</li> <li>Zerrin Aladağ, Karar Teorisi, Umuttepe Yayınları, 2011.</li> <li>James Berger, Statistical Decision Theory and Bayesian Analysis, Springer-Verlag, 1980.</li> </ol>										
Activites								I	Numb	er		Dura	tion (	hour) <sup>-</sup>	Total Work Load (hour)					
Theore	Theoretical R									14 14			3.00			42.00				
Practic	Practicals/Labs									0					(	0.00				
Qelizstu	elizstudy and preperation 0									)Ø			4.00		ť	56.00				
Homew	lomeworks									0					0.00					
Piropje	sam						1		60	60000					(	0.00				
Field S	eld Studies									C			0.00		(	0.00				
<b>Clicitte</b> 115	attention texa to (Year) Learning Activities to									40100						20.00				
Others	thers									2						40.00				
Einpatrie	airibytions of Final Exam to Success Grade									60100						25.00				
Total V	otal Work Load															183.00				
Tretasu	Tretasurerkenadine Techniques Used in the														6.10					
ECTS ( 24	ECTS Credit of the Course 24  ECTS / WORK LOAD TABLE									7.00										
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																			
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	3		4	4	5	3	4	4	4	2	4	3	4	4	4	0	0			
ÖK2	3		4	4	4	5	3	2	4	2	3	4	3	4	4	0	0			
ÖK3	2		3	4	4	3	4	5	3	4	3	3	4	4	4	0	0			
ÖK4	3		4	5	5	4	4	3	5	4	4	3	3	3	4	0	0			

ÖK5	5	5	5	4	4	3	4	4	3	3	4	3	5	4	0	0
ÖK6	4	3	3	4	4	5	4	4	3	4	3	3	3	4	0	0
ÖK7	3	4	3	4	4	3	4	4	3	4	3	4	4	4	0	0
ÖK8	3	3	4	3	4	4	3	3	4	3	4	3	4	4	0	0
ÖK9	3	4	5	4	4	4	4	5	5	4	4	3	3	4	0	0
ÖK10	4	4	4	4	4	4	3	3	3	4	3	3	3	4	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				