	DE	CISIO							
1	Course Title:	DECISIC	ON ANALYSIS						
2	Course Code:	ISL6102							
3	Type of Course:	Compuls	ory						
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Doç. Dr.	GÜL EMEL						
15	Course Lecturers:	Doç.Dr.	GÜI GÖKAYA EMEL						
16	Contact information of the Course Coordinator:	Doç.Dr.Q (224) 29 ggokay@	Gül GÖKAY EMEL 4 10 55 ⊉uludag.edu.tr						
17	Website:								
18	Objective of the Course:	To teach methods and to de decisions	designing decision models, utility – risk assesment , decision trees and multicriteria decision making methods evelop the students' ability to make optimum business s fastly by using the knowledge.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To know decision making processes						
		2	To know Utility – Individual's Utility functions and Risk						
		3	To comprehend Decision Trees and sequencial decision making						
		4	To understand Multiobjective and Multicriteria Decision Making methods						
		5	To be able to design business problems as a quantitative models						
		6	To be able to apply the solution methods on the quantitative decision models						
		7	To interpret and use a model during decision making processes						
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Decision Theory								
2	Utility Theory, Utility Function and Pr Theory	rospect							

	Decision Making Under Uncertainty																	
4	Decision Making Under Risk																	
5	Attitude Toward Risk, Individual's Utility Function and its Relationship with Attitude Toward Risk																	
6	Game T	heory																
7	Decision	Trees	5															
8	Baye's F	Rules a	and De	ecisior	n Trees	6												
9	Multi Ob Program	sion N	laking	and G	oal													
10	Multicrite Hierarch	ecision cess	Maki	ng and	l Analy	ytic												
11	TOPSIS	, VIKC	R ve∣	ELEC	TRE M	lethod	S											
12	Multicrite	eria Ut	ility Fu	Inctio	า													
13	Effective Envelopi	ness I ment /	Measu Analys	ireme is	nt and	Data												
14	Stochast	tic Pro	cess a	and M	arkov (Chains	5											
22	Textbooks, References and/or Other Materials:								Wayne Winston, Operations Research, Aydın Ulucan, Yöneylem Araştırması, H.Tütek/Ş.Gümüşoğlu, Sayısal Yöntemler (Yönetsel Yaklaşım), Mehpare Timor, Analitik Hiyerarşi Prosesi									
23	Assesme	ent																
TERM LEARNING ACTIVITIES INUMBE									eight Numb	er		Duration (hour)			Total Work Load (hour)			
Homework-project 2									4 0 !do			3.00	3.00			42.00		
Practic	Practicals/Labs									0				0.00				
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ÖK6	2	3	4	4	2	3	5	5	5	4	5	0	0	0	0	0
ÖK7	4	4	2	5	3	4	4	5	5	5	5	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	contrib 1 very low ution _evel:				2 low		3 Medium			4 High			5 Very High			