	MULTI-CRI	TERIA	DECISION MAKING							
1	Course Title:	CRITERIA DECISION MAKING								
2	Course Code:	ISL5321								
3	Type of Course:	Optional								
4	Level of Course:	Second								
5	Year of Study:	1	·							
6	Semester:	1								
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:	None								
12	Language:									
13	Mode of Delivery:	Face to t	face							
14	Course Coordinator:	Dr. Ögr.	Üyesi Burcu AVCI ÖZTÜRK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	bavci@uludag.edu.tr Tel: 0224 29 41157								
17	Website:									
18	Objective of the Course:	ive of the Course: In general terms, the main objective of the course is to teach how to use multi-criteria decision making (MCDM) methods in order to support MCDM processes in business. In detail, teaching how to create, solve and interpret results of the MCDM problems for various business problems encountered in different management levels and teaching how to analyze the interpreted results and adop or put them into practice are the main objectives of the course.								
19	Contribution of the Course to Professional Development:	MCDM contributes to all kinds of business-related processions in terms of analyzing and interpreting numerical data and decision making.								
20	Learning Outcomes:		-							
		1	Identifies criteria affecting a business problem.							
		2	Calculates weights of criteria in MCDM problems using appropriate methods.							
		3	Can model MCDM problems.							
		4	Will be able to choose and apply the most suitable method for MCDM problem.							
		5	Can calculate group decision and use results for decision support.							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
10/		Co	burse Content:							
Week	Theoretical Practice									

1	mak		roces			makin ling of													
2	Proc	Multi-Criteria Decision Making (MCDM) Process (Weighting, Sequencing, Classification),																	
3	Sim	Simple Additive Weighting Method																	
4	Hier	archy	/ Proc		AHP) a	Analyti and the		tion of											
5	Usa	ge ar	nd app	olicatio	on exa	mples	of AH	Ρ											
6	Analytical Network Process (ANP)																		
7	TOP	SIS	Metho	bd															
8	TOF	SIS	Metho	bd															
9	VIK	/IKOR Method																	
10	Gray	/ Rela	ationa	I Anal	ysis (GRA)													
11	ELE	CTR	E Met	hod															
12	PRC	OMET	THEE	Metho	bd														
13	Integrated MCDM problems, group decisions and business practices.																		
14	14 Integrated MCDM problems, group decisions and business practices.																		
22	Text	book	s. Re	ferenc	es an	d/or Ot	ther		Be	elton. \	. Stew	art. T.J.	2002	Multi-	criteria	Decision			
Activit	Activites								Numł	ber		Dura	ation (Total Work Load (hour)					
Theore	tical								M	Making: Methods and Application					ons, CRC Press00aylor &				
Practicals/Labs									0				0.00			0.00			
Self stu	Self study and preperation									Bathadır Yıldırım, Emrah				er, Çok	≰⊘a0a0 r Verme				
Homev	Homeworks									1			55.00	55.00			55.00		
Project	<u>s</u>															0.00			
	Studies									0						0.00			
Midterr	m Exams 0								0.	0.00						0.00			
Others	\$									0						0.00			
Fionale	Ewanksproject 1								40	40100						35.00			
Total V	Vork l	_oad														174.00			
Total w	otal work load/ 30 hr 2								10	100.00					5.80				
	ECTS Credit of the Course Success Grade															6.00			
Contrib	Contribution of Final Exam to Success Grade								60	60.00									
Total Measurement and Evaluation Techniques Used in the									100.00										
Course)							d in th	e Ho	omewo	ork and	Written	exam						
24	EC	rs /	WO	RK L	OAD	TAB	LE												
25				CON	TRIE	BUTIO	N O				OUTC ATIO	COME: NS	S TO I	PROC	GRAM	ME			
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
ÖK1	4	4	3	5	3	2	1	1	2	1	0 1	5	1	3 0	0	0	0		

ÖK2	3	3	4	3	2	1	1	2	1	1	5	1	0	0	0	0
ÖK3	3	3	4	3	2	1	1	2	1	1	5	1	0	0	0	0
ÖK4	4	3	5	3	2	1	1	2	1	1	5	1	0	0	0	0
ÖK5	5	4	5	5	2	2	1	2	1	1	5	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	tion				2 low		3	Medi	ium		4 Hig	h	5 Very High			