	DE	CISIO	N ANALYSIS								
1	Course Title:	DECISIO	ON ANALYSIS								
2	Course Code:	ISL6102									
3	Type of Course:	Compuls	sory								
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	face								
14	Course Coordinator:	Doç. Dr.	GÜL EMEL								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	(224) 29	Gül GÖKAY EMEL 94 10 55 @uludag.edu.tr								
17	Website:										
18	Objective of the Course:	methods and to d	n designing decision models, utility – risk assesment s, decision trees and multicriteria decision making methods levelop the students' ability to make optimum business as fastly by using the knowledge.								
19	Contribution of the Course to Professional Development:		g that business decisions are made in a correct, timely, low d high application performance.								
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:										
	Theoretical		Practice								
1	Decision Theory										
2	Utility Theory, Utility Function and Pr Theory	rospect									

3	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 Theory							
7	Decision Trees							
8	Baye's Rules and Decision Trees							
9	Multi Objective Decision Making and Goal Programming							
10	Multicriteria Decision Making and Analytic Hierarchy Process							
11	TOPSIS, VIKOR ve ELECTRE Methods							
12	Multicriteria Utility Function							
13	Effectiveness Measurement and Data Envelopment Analysis							
14	Stochastic Process and Markov Chains							
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,Türkmen Kitapevi, 2011.						
Activit	res	Number	Duration (hour)	Total Work Load (hour)				
Theore		14	3.00	42.00				
Ouiz Practica	als/Labs		0.00	0.00				
Self stu	udy and preperation	14	3.00	42.00				
Homew		2	40.00	80.00				
Project	s	10.00	0.00	0.00				
Field S	tudies	0	0.00	0.00				
Midtern	n exams ution of Final Exam to Success Grade	60.00	0.00	0.00				
Others		0	0.00	0.00				
Final E	xams	1 1	20.00	20.00				
Total W	Vork Load	A LI HO PO A LI LORIZIO A		184.00				
Togal w	ECTS/WORK LOAD TABLE			6.13				
	Credit of the Course			6.00				
25		ARNING OUTCO		1ME				

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	5	5	2	2	3	4	5	4	5	5	5	0	0	0	0	0
ÖK2	3	3	2	3	2	2	4	4	5	5	5	0	0	0	0	0
ÖK3	3	3	1	1	2	3	5	5	5	5	5	0	0	0	0	0
ÖK4	4	3	1	3	2	2	4	5	5	5	5	0	0	0	0	0

ÖK5	3	3	1	4	1	5	5	5	5	5	5	0	0	0	0	0
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 1 very low ution Level:			2 low		3 Medium			4 High			5 Very High					