STRATEGIC DECISION SUPPORT SYSTEMS

1	Course Title:	STRATEGIC DECISION SUPPORT SYSTEMS
2	Course Code:	END 5136
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	7.50
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Ögr. Üyesi ASLI AKSOY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	nursel@uludag.edu.tr +90 224 2942083 Uludağ Üniversitesi, Endüstri Mühendisliği Bölümü
17	Website:	
18	Objective of the Course:	The course aims to provide knowledge of the strategic decision support systems and related topics
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

		1	Will be able to solve the strategic decision making problems
		2	Will be able to understand knowledge of the strategic decision support systems
		3	Will be able to design a decision support system for the strategic decisions
		4	Will be able to present a strategic decision support system project
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21	Course Content:	

Course Content:		
Week	Theoretical	Practice
1	Introduction to decision making and decision support systems	
2	Strategic decision making	
3	Decision making under multiple criteria	
4	Decision making under multiple criteria	

5	Application examples, presentation of homework 1	
6	Group decision making under multiple criteria	
7	Application examples, Presentation of homework 2	
8	Intelligent decision support systems	
9	Expert system based strategic decision support systems	
10	Application examples, Midterm Exam	
11	Neural network based strategic decision support systems	
12	Fuzzy logic based strategic decision support systems	
13	Application examples, Presentation of homework 3	
14	Oral presentation of projects	

22	Textbooks, References and/or Other Materials:	Articles
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	20.00
Quiz	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Contribution of Term (Year) Learning Activities to	70.00		
Practicals/Labs	0	0.00	0.00
Self study and preparation	14	10.00	140.00
Contribution of Final Exam to Success Grade	30.00		
Homeworks	4	3.00	12.00
Projects	1	25.00	25.00
Measurement and Evaluation Techniques Used in the			
Field Studies	0	0.00	0.00
24 ECTS / WORK LOAD TABLE			
Midterm Exams	1	2.50	2.50
Others	0	0.00	0.00
Final Exams	1	3.50	3.50
Total Work Load			225.00
Total work load/ 30 hr			7.50
ECTS Credit of the Course			7.50

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	5	5	5	0	0	0	0	0	0	0	5	0	0	0	0
ÖK2	0	5	0	5	0	0	0	0	0	0	0	5	0	0	0	0
ÖK3	0	5	0	5	0	0	0	0	0	0	0	5	0	0	0	0
ÖK4	0	0	0	0	5	5	0	5	0	0	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High