

# MANAGEMENT DECISION SUPPORT SYSTEMS

1	Course Title:	MANAGEMENT DECISION SUPPORT SYSTEMS	
2	Course Code:	YBS5116	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
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. MELİH ENGİN	
15	Course Lecturers:	Doç.Dr. Melih ENGİN	
16	Contact information of the Course Coordinator:	Doç.Dr. Melih ENGİN melihengin@uludag.edu.tr 0224 294 26 95	
17	Website:		
18	Objective of the Course:	Decision Making Process and Models Probability Theory Introduction to Decision Analysis Benefits and game theory, linear Introduction to Programming Linear Programming Applications Markov Chain Analysis Project Planning Queuing Theory Simulation Forecasting Techniques Integer Programming Goal Programming Non-Linear Programming	
19	Contribution of the Course to Professional Development:	Modeling involves solving a real world problem by converting it into a standard structure. In addition, companies are collecting more and more data day by day. And they hunt for data within these mountains of data. Some computer-based systems have been developed to facilitate these processes. The professional contribution of the course is to familiarize yourself with these practices.	
20	Learning Outcomes:		
		1	To develop decision support systems using tools and methods.
		2	Synthesizing technology used in decision support systems.
		3	Decision support systems design, development and implementation of methods for analyzing and applications
		4	To make assessment of the choice of technology used in the development of decision support systems
		5	Ability to identify and evaluate opportunities to develop decision support systems
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21	Course Content:		



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