	OPER	ATION	S RESEARCH II							
1	Course Title:	OPERAT	FIONS RESEARCH II							
2	Course Code:	EKO330	2							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	le							
5	Year of Study:	3								
6	Semester:	6								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	No								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Doç. Dr. VESİLE SİNEM ARIKAN KARGI								
15	Course Lecturers:	Doç.Dr.Arzu EREN ŞENARAS								
16	Contact information of the Course Coordinator:	vesa@uludag.edu.tr 0224 2941105 Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi A Blok 16059 Nilüfer7Bursa								
17	Website:									
18	Objective of the Course:	The aim of this course is to provide the students focusing on the management problems, the application of system approach and the scientific methods on the management decision.								
19	Contribution of the Course to Professional Development:	Be equipped with advanced theoretical and applied knowledge and assess an organization from different perspectives. Take responsibilities as a team member when dealing with issues and problems encountered in practice. Notice and make use of business opportunities in the field of economy. Effective use information and communication technologies								
20	Learning Outcomes:									
		1	To be able to define the problem in Project planning							
		2	To be able to decide the most appropriate in competitive environment							
		3	To be able to determine a shedule of the shortest route and the highest possible flow chart within a system							
		4	To be able to measure cost and performance of the service system with quantitative models							
		5	To be able to predict outcomes at different stages of the processes							
		6	To be able to solve the problems involving the decision series							
		7	To be able to optimal decision making depending on the data							
		8	To be able to formulate transport, transfer and assignment problems							
		9								
		10								
21	Course Content:									

	Course Content:																
Week	Theore	Theoretical															
1	Mathen the tran					algor	ithm o	f									
2	Initial so	nitial solution algorithms															
3	The mo transpo			e solu	tion teo	cnique	es of										
4	Distortio models	on and	sensit	ivity a	nalysis	in tra	nspor	t									
5	Assignr	nd se	nsitivity	/ analy	ysis												
6	Travelir to netw	proble	em and	Introc	luction	ו											
7	The sho	The shortest path problem															
8	Maximu	Maximum flow and critical path method															
9	PERT a	PERT analysis															
10	Time-co	Time-cost relationship on project planning															
11	Concepts and definitions related to game teory																
12	Balance	Balanced games, superior strategies															
13	Played game under a full uncertanity																
14	Graphic	al solu	ition m	ethod	for the	e game	es										
22 Textbooks References and/or Other Activites							1 Abmet Öztürk Yönevli Number				Duration (hour)						
Theore	Theoretical 23 Assesment								14						42.00		
	Practicals/Labs							C)			0.00			0.00		
Self stu	If study and preperation								4			4.00			56.00		
Homew	lomeworks							1				10.00			10.00		
Project	ects 0							06	0.60			0.00			0.00		
Field S	Studies							C	0			0.00	0.00			0.00	
FildleFi	erma 1								60 ₁ 00 15.00					15.00			
Others								C	0			0.00			0.00		
Epitrie	natributions of Term (Year) Learning Activities to								49,00			20.00			20.00		
Total W	al Work Load								0.00					158.00			
Total w	work load/ 30 hr														4.77		
Measur	ECTS Credit of the Course Measurement and Evaluation Techniques Used in the							e Cla	Classic Exam								
Course	ECTS	/ WO	RKL		TAB	LE											
25				-								S TO I		GRAM	MF]	
25			CON									5101	NOC				
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	5	4	5	5	4	5	4	5	5	5	5	5	0	0	0	0	
ÖK2	4	5	5	5	5	4	5	5	4	4	4	4	0	0	0	0	
ÖK3	4	4	5	5	5	5	4	5	5	4	4	4	0	0	0	0	
		-	-		-	-				-	-	-	-	-			

Contrib ution Level:	ution			2 low			3 Medium			4 High			5 Very High			
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	5	4	5	4	4	5	4	5	5	4	4	5	0	0	0	0
ÖK7	5	5	4	5	5	5	4	5	4	5	4	4	0	0	0	0
ÖK6	5	4	4	5	4	5	4	5	4	4	4	4	0	0	0	0
ÖK5	4	5	5	5	4	4	4	5	5	4	4	4	0	0	0	0
ÖK4	5	5	4	4	5	5	4	5	5	4	5	4	0	0	0	0