	OPERATION	RESE	EARCH TECHNIQUES						
1	Course Title:	OPERAT	TION RESEARCH TECHNIQUES						
2	Course Code:	EKO510	1						
3	Type of Course:	Compuls	ory						
4	Level of Course:	Second	Cycle						
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	7.00							
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 f	ace						
14	Course Coordinator:	Prof. Dr.	KEMAL SEZEN						
15	Course Lecturers:	Prof.Dr.H	I.Kemal SEZEN						
16	Contact information of the Course Coordinator:	kemal@u 0224294 Uludağ Ü Nilüfer/B	uludag.edu.tr 1113 Jniversitesi İktisadi ve İdari Bilimler Fakültesi A Blok 16059 ursa						
17	Website:								
18	Objective of the Course:	The aim research world.	of this course is to teach the students of operations tecniques and how to apply these tecniques in business						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	The students are be able to optimal decision making depending on the data.						
		2	The students are be able to model construction of the large scale business problems						
		3	The students are be able to model solving of the large scale business						
		4	The students are be able to comment of the model solutions						
		5	The students are be able to make decisions under the competition						
		6	The students are be able to determine the optimal inventory policy in business						
		7	The students are be able to decision making situations for future						
		8	The students are be able to determine the best Level of service businesses						
		9							
		10							
21	Course Content:								
		Co	burse Content:						
Week	Theoretical		Practice						
1	Integer Programming								

2	Some Pr	oblem	ns of Ir	nteger	Progra	ammir	ng										
3	The Solution Methods of İnteger Programming Problems																
4	Gomory Cutting Plane Method																
5	Game Theory																
6	The Solution of The Games with Linear Programming																
7	Inventor	y Mod	els														
8	Stocastic	c İnve	ntory N	Nodel	S												
9	Waiting I	Line N	lodels														
10	Single-C	hanne	el Que	ue Mo	dels												
11	Multicha	nnel C	Queue	Mode	ls												
12	Markov /	Analys	sis and	l Deci	sion ma	aking											
13	Stocastic	c Proc	ess ar	nd Ma	rkov Cl	hain											
14	The use making	of Ma	rkov A	nalys	is for D	ecisio	n										
22	Textbooks, References and/or Other 1 Materials: K 2 a 3 M								 Ahmet Öztürk, Yöneylem Araştırmasına Giriş, Ekin Kitabevi, 2011. Wayne L. Winston, Operations Research, Applications and Algorithms, Thomson Brooks/Cole, Australia,2004. Steven Nahmias, Production and Operations Analysis, McGraw-Hill,Fourth Edition, New York, Boston, 2001. 								
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ÖK8	2	2	4	3	3	3	3	2	2	2	3	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
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