LINEAR PROGRAMMING											
1	Course Title: LINEAR PROGRAMMING										
2	Course Code:	MAT4030									
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	cle								
5	Year of Study:	4									
6	Semester:	8									
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:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Dr. Ögr. Üyesi SETENAY DOĞAN									
15	Course Lecturers:	Yrd.Doç.Dr.Nisa Çelik Yrd.Doç.Dr.Emrullah Yalçın Yrd.Doç.Dr.Sezai Hızlıyel									
16	Contact information of the Course Coordinator:	setenay@uludag.edu.tr 0224 2941763 U.Ü. Fen Edebiyat Fakültesi Matematik Bölümü Nilüfer BURSA									
17	Website:										
18	Objective of the Course:	The aim of the course is to introduce the students to the linear programming problem may be defined as the problem maximizing or minimizing a linear function subject to linear constrains. And solved Grafic, Simplex, Transport methods of its problems,									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Has the basic Mathematic Knowledge								
		2	Develop a possible plan for solving problems								
		3	Analyze problem with a different perspective								
		4	Generate possible solutions to the problems								
		5									
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
	Theoretical  A lineer programming definitions, the		Practice								
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2	Gran	hic r	metho	d of so	olvina	a line	er												
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3	Grap solut	phic method ,the maximum state and ition																	
	Grap solut	aphic method, the minimum state and ution																	
5	Conv	vex	set an	d the	situa	tion de	jenera	ated											
6	Simp	olex	Metho	od															
7	Simp	olex t	table a	and so	lution	l													
		oduction of the simplex method , max. ective function and solution																	
						method solutio													
10						ıl reviev	W												
11				lution															
12		•	•			olution													
13					<u> </u>	e funct	ion ob	otainin	g										
14	Appr	oxim	nation	metho	ods.														
22	Textbooks, References and/or Other Materials:								Y y	Matematik programlama .Ylmaz Tulunay Yöneylem araştırmasında kullanılan karar yöntemleri.Alptekin Esin Linear Programming.Thomas S.Ferguson									
Activit	Activites								Number				Dura	Duration (hour)			Total Work Load (hour)		
Theoret Midtern	<del>tical</del> n Exa	m					1		4	1 <u>4</u> 0.00				3.00			42.00		
Practicals/Labs								0				0.00	0.00			0.00			
Self stu Home v	ıdy ar vork-ı	nd pr	epera	tion			0		0	0 00				4.00	4.00			56.00	
Homew														0.00	0.00			0.00	
<del>Projects</del> Total	ects								1	100 00				0.00	0.00				
Field St	ield Studies									0				0.00				0.00	
Blidtees	rs eska	<b>ade</b>								10.00						10.00			
Others	rs													4.00				56.00	
Final Ex									1	100.00						12.00			
1915 /1 45 /141	Work Load								<u>_</u>								176.00		
	york load/ 30 hr												-			5.87			
ECTS (	Credit	t of ti	he Co	urse													6.00		
25			(	CON	TRIE	BUTIO	N OI			NING ALIFI				S TO I	PROC	SRAM	ME		
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	8 PQ	9 F	PQ1	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
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ÖK2	C	)	0	3	0	0	0	0	0	0	C	)	0	0	0	0	0	0	
ÖK3	C	)	5	0	1	2	0	0	0	0	C	0	0	0	0	0	0	0	
ÖK4	C	)	0	0	0	0	0	0	0	0	C	)	0	0	0	0	0	0	
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Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
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Level:					