	PARA	LLEL	ALGORITHMS					
1	Course Title:	PARALL	EL ALGORITHMS					
2	Course Code:	BM5111						
3	Type of Course:	Optional						
4	Level of Course:	Second	Cycle					
5	Year of Study:	1						
6	Semester:	1						
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 t	face					
14	Course Coordinator:	Doç. Dr.	PINAR KIRCI					
15	Course Lecturers:	yok						
16	Contact information of the Course Coordinator:	Bilgisayar müh. bölüm binası 1. kat oda 110						
	ocoramator.	pinarkirc	i@uludag.edu.tr					
17	Website:							
18	Objective of the Course:	To introduce the advanced techniques for parallel algorithm analysis and design.						
19	Contribution of the Course to Professional Development:	Especially in recent years, it has been highly observed that parallel algorithms are used extensively in optimization approaches in problem solving. This course will be especially useful for students who want to study in this field.						
20	Learning Outcomes:							
		1	parallel algorithms that can be used in parallel architectures will be examined					
		2						
		3						
		4						
		5						
		6						
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	ourse Content:					
	Theoretical		Practice					
1	Balanced trees, pointers							
2	pipeline and layered structure							
3	lists and trees	lia a						
4	selection problem and parallel select algorithm	lion						

5	mer	ge pr	oblen	1														
6	_	<u> </u>		algori	thm													
7	·	prob																
8	para	allel s	ort al	gorithr	n													
9	parallel sort algorithm search problem																	
10	para	parallel search algorithm on EREW, CREW and CRCW																
11	search algorithm on trees																	
12	search algorithm on trees																	
13	matrixes and graph algorithm								Т									
14	strings																	
22	Textbooks, References and/or Other Materials:							Υi	Paralel Algoritmalar: Modeller ve Yöntemleri Yüksek Başarımlı Hesaplama Prof. Dr. Abdulsamet Haşıloğlu									
23	Assesment									OI. DI.	7 todate	Janioti	laşıloğı	<u>u</u>				
TERM L				VITIES	3		N	IUMBE	w	EIGHT								
NA: It ama							R		-	200								
Midtern	n Ex	am					0			50.00								
Quiz	work	proid	ot.				0			0.00								
Home work-project 0 Activites									Numb	er		Dura	Duration (hour)			Total Work Load (hour)		
Contrib Theore Succes	Contribution of Term (Year) Learning Activities to Success Grade							5(50,40				3.00			42.00		
Practic	icals/Labs									0				0.00			0.00	
Self stu	Self study and preperation								11	14				2.00			28.00	
Homew	eworks									0 Iwuren exam				0.00			0.00	
Course										U				0.00			0.00	
	Studies									0				0.00			0.00	
	erm exams									1			50.00				50.00	
Others										0				0.00			0.00	
	inal Exams									1			60.00			60.00		
Total Work Load															230.00			
Total work load/ 30 hr															6.00			
ECTS Credit of the Course																6.00		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1		1	3	1	1	4	1	1	1	1	1	1	1	1	1	1	1	
				<u> </u>	02**	ina C	 hiss	L .	• 1		rogra	.m O:		tions				
Conti ution Leve	rib 1 very low		earning Objective 2 low 3					lium	4 High			5 Very High						