	MIC	ROPF	ROCESSORS								
1	Course Title:	MICROF	PROCESSORS								
2	Course Code:	EEM310	4								
3	Type of Course:	Compuls	sory								
4	Level of Course:	First Cyc	cle								
5	Year of Study:	3									
6	Semester:	6									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	2									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Öğr.Gör.	Dr. GÖKHAN YENİKAYA								
15	Course Lecturers: Öğr.Gör.Dr. Gökhan Yenikaya										
16	Contact information of the Course Coordinator:	f the Course E-posta:ersen@uludag.edu.tr Tel: (224) 294 20 32 Adres: Elektrik-Elektronik Mühendisliği Bölümü, No:431									
17	Website:										
18	Objective of the Course:	To gain ability to realize analysis and design of microprocessor based system and using them in applications									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To gain ability to apply theoretical and practical information about microprocessor based systems for modeling and solving engineering problems								
		2	To gain ability to determine, define, formulize and solve complex engineering problems which encountering in microprocessor based systems with selecting proper analysis and modeling method								
		3	To gain ability to design complex system or process which encountering in microprocessor based systems with applying modern modeling methods under realistic circumstance								
		4	To gain ability to develop select and use modern technology and equipment for microprocessor based system applications with using information technology in efficient way								
		5	To gain ability to interpret results with collecting data and analyzing results for investigating engineering problems about microprocessor based systems								
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
	Course Content:										

Week	The	Theoretical																
1				of mic		cessor units	, study	/ing										
2	Syst	em n	nemoi	ry des	ign													
3	Micr	opro	cesso	r desi	gn an	d its ru	nning											
4	Add	ressii	ng me	thods	, com	mand	structu	ıres										
5	Stuc	lying	comn	nand s	structu	ıres			T									
6	Dev	elopii	ng pro	gram														
7	Dev	elopii	ng apı	plication	ons													
8	Midt	erm I	Exam	+ Ger	neral i	review												
9	Dev	elopii	ng apı	plication	ons													
10	Time	er-co	unter	applic	ations	3												
11	Inter	rupt	opera	tions a	and a	pplicati	ons											
12		nchro icatio		serial	comn	nunicat	tions											
13	Dev	eveloping advanced applications																
14	Dev	eveloping advanced applications																
	Textbooks, References and/or Other Materials: Activites							Ya 2. 19	1. Gümüşkaya, H., Mikroişlemciler ve 8051 Ailesi, Alfa Yayınları, 1999. 2. Mackenzie, I.S., The 8051 Microcontoller, Prentice Hall, 1995. 3. ATMEL AT89S52 User Guide Number Duration (hour) Total Work Load (hour)							e Hall,		
TERME	tie Ark	NING	ACTI	VITIES	}		N	UMBE	W	ÉKGHT			2.00		28.00			
Practic	als/La	abs								14 2.00						28.00		
Self stu	idy a	nd pr	epera	tion			-			14			4.00			56.00		
Homew	vorks									0			0.00		0.00			
Project	3	b. ojo	-				-			0.00						0.00		
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Total W			<u> </u>	<u> </u>	<u> </u>	<u> </u>	1440			7.00					180.00			
Total w	Total work load/ 30 hr														6.00			
ECTS (ECTS Credit of the Course														6.00			
24	EC	TS/	WOI	RK L	OAD	TAB	LE											
25		-						C	QUA	LIFIC	ATIC	NS	S TO					
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	

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	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0

ÖK5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
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