	COMPUTER	R AIDE	ED CIRCUIT DESIGN							
1	Course Title:	COMPU	TER AIDED CIRCUIT DESIGN							
2	Course Code:	MKRS22	27							
3	Type of Course:	Optional								
4	Level of Course:	Short Cy	cle							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:									
12	Language:	Turkish	Turkish							
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Öğr.Gör.Dr. İSMET GÜCÜYENER								
15	Course Lecturers:	Ömer Nuri Çam								
16	Contact information of the Course Coordinator:		etguc@uludag.edu.tr, 02242942349, U.Ü. TBMYO Mekatronik . Bşk. Görükle Bursa							
17	Website:									
18	Objective of the Course:		ourse, aimed to gain knowledge and skills for to draw analog al electronic circuits, to draw printed circuits and to make on.							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Being able to use of the drawing circuit program interface							
		2	Being able to make schema with passive circuit elements							
		3	Being able to measure current and voltage in circuit connections.							
		4	Being able to set up circuits with programmable elements							
		5	Being able to make simulations of circuits							
		6	Being able to make a new library for the circuit elements							
		7	Being able to make printed circuit							
		8	Being able to make corrections on developed printed circuit							
		9								
		10								
21	Course Content:									
		Co	urse Content:							
	Theoretical		Practice							
1	Drawing program interface									
2	Circuits wit passive elements									
3	Setting up digital circuits									
4	Setting up analog circuits	4								
5	Measurements of voltage and curren	t values								

6	Drav	wing	printe	d circu	uit with	n manu	ıel												
7	Drav	wing	printe	d circu	ıit usi	ng pro	gram r	nodule	)										
8	Rep	eatin	g Cou	ırses F	First N	1idterm	1												
9	Cori	Corrections on printed circuits																	
10	Setting up circuit with programmable elements																		
11	Crea	ating	new p	rinted	circu	it elem	ent te	mplate	;										
12	Creating new element library																		
13	Repeating Courses Second Midterm																		
14	Con	Controls an printed circuits																	
22	Textbooks, References and/or Other Materials:								Со	Course Notes									
23	Assesment																		
TERM L	LEARNING ACTIVITIES NUMBE R								WE	WEIGHT									
Midtern	Midterm Exam 2								50.	50.00									
Quiz	uiz 0								0.0	0.00									
Home \	e work-project 0								0.0	0.00									
Final E	nal Exam 1								50.	50.00									
Total	Total 3								10	100.00									
Contribution of Term (Year) Learning Activities to								.00			•								
Activit	vites								1	Numb	er		Dura	ition (	,	Total Work Load (hour)			
Total Theore	etical								710	0 <del>,00</del>			2.00			28.00			
Practic	Practicals/Labs									)			0.00	0.00					
Self4stulet/certs prework R1 LOAD TABLE									7	14			2.00						
Homeworks								2	2			3.00			6.00				
Project	ts								(	)			0.00			0.00			
Field S	Studie	s							(	)			0.00		0.00				
Midtern	m exa	ams							2	2			8.00			16.00			
Others									(	)			0.00			0.00			
Final E										1 12.00						12.00			
Total W																90.00			
Total w																3.00			
ECTS (	Credi	it of t	he Co	urse												3.00			
25			(	CON	TRIE	BUTIC	N O				OUTC		S TO I	PROC	RAM	ME			
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
ÖK1		3	0	1	2	4	5	4	4	2	4	5	0	0	0	0	0		

25	QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	0	1	2	4	5	4	4	2	4	5	0	0	0	0	0
ÖK2	0	0	2	2	3	5	4	3	0	5	4	0	0	0	0	0
ÖK3	1	0	1	4	5	5	2	3	2	5	4	0	0	0	0	0
ÖK4	0	1	1	2	3	5	3	2	1	4	4	0	0	0	0	0

1 2	2	2	5	4		5	4	5	5	0	0	0 0	0	0 0
LO: Learning Objectives PQ: Program Qualifications  Contrib 1 very low 2 low 3 Medium 4 High 5 Very High													ı	
		2 1	2 1 2  LO: Learn	2 1 2 5  LO: Learning C	2 1 2 5 5  LO: Learning Object	2 1 2 5 5 5  LO: Learning Objectives	2 1 2 5 5 5 5 LO: Learning Objectives P	2 1 2 5 5 5 5 4  LO: Learning Objectives PQ: P	2 1 2 5 5 5 5 4 4  LO: Learning Objectives PQ: Progra	2 1 2 5 5 5 5 4 4 5  LO: Learning Objectives PQ: Program Qu	2 1 2 5 5 5 5 4 4 5 0  LO: Learning Objectives PQ: Program Qualification	2 1 2 5 5 5 5 4 4 5 0 0  LO: Learning Objectives PQ: Program Qualifications	2 1 2 5 5 5 5 4 4 5 0 0 0  LO: Learning Objectives PQ: Program Qualifications	2 1 2 5 5 5 5 4 4 5 0 0 0 0  LO: Learning Objectives PQ: Program Qualifications