COMPUTER AIDED DESING									
1	Course Title:	COMPU	TER AIDED DESING						
2	Course Code:	ELES114							
3	Type of Course:	Optional							
4	Level of Course:	Short Cycle							
5	Year of Study:	1							
6	Semester:	2							
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							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Öğr.Gör. HASAN BAYAZIT							
15	Course Lecturers:	Öğr.Gör. Ömer Eriş							
16	Contact information of the Course Coordinator:	hashan@uludag.edu.tr Tel: 2942345 Adres: U.Ü Teknik Bilimler MYO Görükle							
17	Website:								
18	Objective of the Course:	With this course, students will be able to draw electronic circuits with the program and prepare printed circuit board.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Students can draw analog and digital circuits using a drawing program.						
		2	Student conduct an analysis of analog and digital circuits						
		3	Stdudents can draw printed circuit boards using a drawing program.						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	21 Course Content:								
	Course Content:								
Week	Theoretical		Practice						
1	Introduction.								
2	The setup of electrical and electronic drawing program and introduction of interface.								
3	Introduction of program interface and electrical, electronic circuit symbols.	b							
4	Analog circuits symbols and circuit d	rawing.							

5	Digital	cir	cuits	symbo	ols and	d circui	it drav	ving.									
6	Using visual measuring tools for analog circuits.																
7	Using graphics(analysis) menu for analog circuits.																
8	Midter	Midterm exam.															
9		Using visual measurement tools for digital circuits.															
10	Using the graphics menu for digital circuits (analysis) and setup of the printed circuit drawing program.																
11	The introduction of user interface of circuit drawing program.																
12	Electronic circuit symbols and drawing of printed circuit boards by hand.																
13	Create netlist from electronic circuit drawing program.																
14	Automatic drawing of printed circuit boards and printing.																
22	Textbooks, References and/or Other Materials:						R	Recent electronic simulation and printed circuit software.									
23	Asses	me	nt						•								
TERM L	EARNI	NG	ACTI	VITIES			N F	IUMBE	W	EIGHT							
Activites						Number			Duration (hour) T			Total V Load (I					
Finedre	tiaal						1		6	60100			2.00			28.00	
Practica	als/Lab	s								0			0.00			0.00	
Selfi tsito	ıaltycano	f pTre	epre r(2	vtiecenr) I	Learn	ing Act	ivities	to	4	40100			2.00			28.00	
Homeworks							1			10.00			10.00				
Contribution of Final Exam to Success Grade						60	60 ₀ 00			0.00			0.00				
Field Studies							0			0.00			0.00				
Middeuremanand Evaluation Techniques Used in the						е				12.00			12.00				
Others						0			0.00			0.00					
Final Exams / WORK LOAD TABLE						1			12.00	12.00			12.00				
	Total Work Load												102.00				
	Total work load/ 30 hr ECTS Credit of the Course												3.00				
	realt	ot tr														3.00	
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PC	21	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4		0	2	5	0	0	4	0	4	0	0	0	0	0	0	0
ÖK2	5		0	2	5	0	0	4	0	4	0	0	0	0	0	0	0
ÖK3	3		0	2	5	0	0	5	0	4	0	0	0	0	0	0	0
				O: L	earr	ing C	bje	tives	6	PQ: P	rogra	ım Qu	alifica	tions			

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					