	ANAI	LOGU	E ELECTRICS							
1	Course Title:	ANALOGUE ELECTRICS								
2	Course Code:	MKRZ10	4							
3	Type of Course:	Compuls	ory							
4	Level of Course:	Short Cy	cle							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	4.00								
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 f	ace							
14	Course Coordinator:	Öğr.Gör.	ERCAN YAVUZ							
15	Course Lecturers:	Öğr.Gör.	Ercan Yavuz							
16	Contact information of the Course Coordinator:	dahili (02	@uludag.edu.tr 224)2942365 BMYO Mekatronik Prg. Görükle Bursa							
17	Website:									
18	Objective of the Course:	In this course, aimed to gain knowledge and skills for to set up circuit using electronic circuit elements and troubleshooting.								
19	Contribution of the Course to Professional Development:	The student can perform defined cellular design activities, easily produce mechatronic systems, perform maintenance, repair and revisions with what they have learned in the analog electronics course.								
20	Learning Outcomes:									
		1	Being able to use semiconductor elements							
		2	Being able to make connections of transistor circuits							
		3	Being able to set up transistor circuit according to the different polarity methods.							
		4	Being able to set up amplifier circuit with transistor.							
		5 Being able to set up amplifier circuit with OPAMP.								
		6	Being able to set up the adder and subtractor circuit with OPAMP.							
		7	Being able to set up the derivative circuit with OPAMP.							
		8	Being able to set up the integral circuit with OPAMP.							
		9								
		10								
21	Course Content:									
\\/	Theoretical	Co	ourse Content:							
	Theoretical		Practice							
1	Definition of semiconductor		Introduction of laboratory							
3	Methods of transistor polarity		Common emitter circuit							
	Methods of transistor polarity		Common palle stor pirquit							
4	Methods of transistor polarity		Common collector circuit							

	,										
5	Amplifiers with transistor		A class amplifier								
6	OPAMP circuits		Inverting input amplifier								
7	OPAMP circuits		Adder circuit with OPAMP								
8	Repeating Courses First Midterm		Adder circuit with OPAMP								
9	OPAMP circuits		Subtractor circuit with C	PAMP							
10	OPAMP circuits		Derivative and integral of	circuit with OPAMP							
11	FETs and MOSFETs		FET circuit								
12	FETs and MOSFETs		Power supply circuit								
13	Repeating Courses Second Midterm		Power supply circuit								
14	Oscillator circuits		Oscillator circuit with cry	/stal							
22	Textbooks, References and/or Other Materials:		Analog Elektronik (yayır	nlanmamış) ders no	tları						
23	Assesment										
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midterr	m Exam	1	40.00								
Quiz		0	0.00								
Home v	work-project	0	0.00								
Final E	xam	1	60.00								
Total		2	100.00								
Activit	tes		Number	Duration (hour) Total Wor Load (hou							
₹bea re	tical		100400	2.00	28.00						
Practic	als/Labs		14	2.00	28.00						
Selfre	ddy and preperation		the priciples of Bursa ul	டிக்கு University Ass	ရဍု i a့ျ _e and						
Homew	vorks		14	2.00	28.00						
Project	s		0	0.00	0.00						
Field S	tudies		0	0.00	0.00						
Midterr	n exams		1	6.00 6.00							
Others			0	0.00							
Final E	xams		1	10.00							
Total V	Vork Load				120.00						
Total w	ork load/ 30 hr				4.00						
ECTS (Credit of the Course				4.00						
25	CONTRIBUTION		RNING OUTCOMES	TO PROGRAM	IME						

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	3	0	1	2	4	5	4	3	0	5	4	0	0	0	0	0
ÖK2	0	0	2	2	4	5	4	3	0	4	5	0	0	0	0	0
ÖK3	3	0	1	4	5	5	3	2	4	5	4	0	0	0	0	0
ÖK4	0	1	1	2	3	5	3	2	1	4	4	0	0	0	0	0

ÖK8	1			_earr	ning C	Objec	tive	s P	rogra		0 tions		0	0
LO: Learning Object Contrib 1 very low 2 low ution								s P Medi		m Qu 4 Higl	tions 5 Very High			