	ELECTRO MEC	HANIC	CAL CONTROL CIRCUITS						
1	Course Title:	ELECTRO MECHANICAL CONTROL CIRCUITS							
2	Course Code:	İSOZ201							
3	Type of Course:	Compuls	SOFY						
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):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Öğr.Gör	. BÜLGAN TOMAÇ						
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	Ögr.Gör. Bülgan Tomaç Tel: 0224 2942895 btomac@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	In this course the purpose is having proficiency to design of electrical control circuits of HVAC systems to students.							
19	Contribution of the Course to Professional Development:	Gains knowledge of control circuits.							
20	Learning Outcomes:								
	•	1	To understand the general trend of refrigerator control circuits						
		2	To understand the operating prencible of refrigerator control circuits						
		3	To explain domestic, commercial and industrial type refrigerant control circuits						
		4	To explain the central and individual air conditioning control circuit						
		5							
		6							
		7							
		8							
		9							
	Course Contact	10							
21	Course Content:								
Maak	Course Content: Theoretical Practice								
vveek	Electrical circuit symbols, electrical of	circuit	Getting to know electrical measuring instruments						
	symbols in refrigerating units		To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams						

2	Electrical circuit symbols, electrical circuit symbols in refrigerating units	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
3	Electrical circuit diagrams, electrical circuit diagrams in the refrigerating units	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
4	Electrical circuit diagrams, electrical circuit diagrams in the refrigerating units	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
5	Starting, control and control of electric motor	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
6	Starting, control and control of electric motor	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
7	Air conditioning equipment electrical circuits	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements								
Activit	ies		Number	Duration (hour)	Total Work Load (hour)					
Theore	tical	G	etting to know control	growt elements	28.00					
Practic	als/Labs		explain the electrical	2.00	circuit 28.00					
Se 9 stu	Ayracound pittem ingriequipment electrical circuits	G	etting to know electrica	0r0easuring instru	œ0 6 5					
Homev	vorks	1	1	30.00	30.00					
Project	8	T	mexplain the electrical	@@mtrol and power	Circo it					
Field S			0	0.00	0.00					
Midterr	CREATS	Т	Follow control circuits	1.00	2.00					
Others			0	0.00	0.00					
Final E	xams	di	agrams	1.00	1.00					
	Vork Load				89.00					
Total w	ork load/ 30 hr		etting to know control circuits		2.97					
ECTS	Credit of the Course		adrame		3.00					
12	Central air conditioning equipment electrical circuits	Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams								
13	Vehicle air conditioning and cooling systems electric circuits	conditioning and cooling systems Getting to know electrical measuring instruments								
14	Cold storage electrical circuits Getting to know electrical measuring instruments To follow control circuits Getting to know control circuit elements To explain the electrical, control and power circuit diagrams									

22		extbooks, References and/or Other laterials:							 [1] Türkmen Y., Geçtan C.,(1998). Kumanda Devreleri 1., Birsen Yayınevi, İstanbul. [2] Türkmen Y., Geçtan C.,(1998). Kumanda Devreleri 2., Birsen Yayınevi, İstanbul. 								
23	Assesment																
						NUMBE R	E W	WEIGHT									
							<u>2</u>	30	30.00								
						()	0.	0.00								
Home work-project						1	1	1(10.00								
Final Exam						1	1	60	60.00								
Total						2	1	1(100.00								
Contribution of Term (Year) Learning Activities Success Grade						tivities	s to	4(40.00								
Contrib	Contribution of Final Exam to Success Grade							60	60.00								
Total	Total							1(100.00								
Measurement and Evaluation Techniques Used in th Course 24 ECTS / WORK LOAD TABLE								th	Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.								
25				CON	TRIE	BUTIC	ON O			-			S TO	PROC	GRAM	ME	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1		4	3	4	4	3	3	4	1	1	1	1	1	0	0	0	0
ÖK2		3	4	4	3	4	3	2	2	1	1	2	2	0	0	0	0
ÖK3		4	3	4	3	4	4	2	2	2	2	2	2	0	0	0	0
ÖK4		4	3	4	3	3	3	4	2	2	1	1	2	0	0	0	0
			.	LO: L	earr	ning (Dbje	ctive	S	PQ: F	rogra	am Qu	alifica	ations	5	•	-
Contrib1 very low2 IutionLevel:			2 low		3 Mediun			n 4 High			5 Very High						