	PREVENTIVE MAINT	ENAN	CE AND TROUBLESHOOTING						
1	Course Title:	PREVEN	TIVE MAINTENANCE AND TROUBLESHOOTING						
2	Course Code:	iSOZ202							
3	Type of Course:	Compulsory							
4	Level of Course:	Short Cycle							
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	4.00							
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:	Prof. Dr. SALİH COŞKUN							
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	coskuns@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The students, aimed to gain maintenance and troubleshooting procedures in refrigeration.							
19	Contribution of the Course to Professional Development:	raising qualified personnel to be employed in the cooling sector							
20	Learning Outcomes:								
		1	Troubleshooting of refrigeration components						
		2	Troubleshooting of electrical faults of related systems						
		3	Troubleshooting of split and packaged type of air conditioners						
		4	Troubleshooting of central air conditioning systems						
		5	Troubleshooting of mobile air conditioners and refrigeration systems						
		6							
		7							
		8							
		9							
	I	10							
21	Course Content:	_							
107	· · ·	Co	ourse Content:						
Week			Practice						
1	The procedures of preventive mainte and troubleshooting	enance ———	Applications with students on related topic in lab.						
2	Troubleshooting of compressors		Applications with students on related topic in lab.						
3	Troubleshooting of evaporators and condensors		Applications with students on related topic in lab.						

4	Troubleshooting of expansion valve capillary tube.	and	A	Applications with students on related topic in lab.							
5	Troubleshooting of refrigeration con circuits	trol	A	Applications with students on related topic in lab.							
6	Troubleshooting of residential and commercial refrigeration systems		A	Applications with students on related topic in lab.							
7	Troubleshooting of individual air cor devices.	nditioning	A	Applications with students on related topic in lab.							
8	Troubleshooting of individual air cordevices.	nditioning	A	Applications with students on related topic in lab.							
9	Troubleshooting of variable refrigera volume (VRV)systems	ant	Applications with students on related topic in lab.								
10	Troubleshooting of central air condit systems.	tioning	A	Applications with students on related topic in lab.							
11	Troubleshooting of control circuits u conditioning systems	sed in air	A	Applications with students on related topic in lab.							
12	Troubleshooting of mobile air condit and refrigeration systems	tioning	A	Applications with students on related topic in lab.							
13	Refrigeration servicing procedures.		A	pplications with studen	ts on related topic i	n lab.					
14	Refrigeration servicing procedures.		A	pplications with studen	ts on related topic i	n lab.					
22	Textbooks, References and/or Othe Materials:	er	U Ö D	1.SOĞUTMA TEKNİĞİ VE ISI POMPASI UYGULAMALARI, Recep Yamankaradeniz, İlhami Horuz, Ömer Kaynaklı, Salih Coşkun, Nurettin Yamankaradeniz, Dora Yayıncılık 2. BAKIM ARIZA BULMA VE SERVİS İŞLEMLERİ,							
Activit	tes			Number	Duration (hour)	Total Work Load (hour)					
TREAL	EARNING ACTIVITIES	W	Ę Į Ģ НТ	2.00	28.00						
Practic	als/Labs			14	2.00	28.00					
Qeli zstu	udy and preperation	0	0.	0 0	2.00	28.00					
Homev	vorks			1	28.00	28.00					
Project	∮am	1	6	0.00	0.00	0.00					
Field S	tudies	•		0	0.00	0.00					
Midtens	ଆନ୍ଧ୍ୟନ୍ତି ଆନ୍ଧ୍ୟନ୍ତି	ties to	4(0.00	1.00	1.00					
Others				3	2.00	6.00					
Eionatri E	oxabirons of Final Exam to Success Grad	de	6	000	1.00	1.00					
Total V	Vork Load					120.00					
Metalsin	rement and Evaluation Techniques L	Jsed in the	easurement and evalu	ation is carried out	according to						
	Credit of the Course					4.00					
24	ECTS / WORK LOAD TABLE	•	ΙO	nuergraduate Educatid	n Negulation.						
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS											

QUALIFICATIONS PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3 ÖK4

ÖK5	2	4	0	3	1	0	5	0	3	0	0	2	0	0	0	0
LO: Le Contrib 1 very low ution Level:				ning C 2 low	bjec		s P Medi			m Qu 4 Higl				y High		