DOMESTIC REFRIGERATION SYSTEMS										
1	Course Title:	DOMES	TIC REFRIGERATION SYSTEMS							
2	Course Code:	iSOZ102								
3	Type of Course:	Compulsory								
4	Level of Course:	Short Cycle								
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0	0							
11	Prerequisites:	No	No							
12	Language:	Turkish	Turkish							
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Öğr. Gö	Öğr. Gör. AHMET ATAMAN							
15	Course Lecturers:		Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	ahmetataman@uludag.edu.tr 02242942395-42394 Bursa Uludağ Üniversitesi Görükle Yerleşkesi Teknik Bilimler MYO								
17	Website:									
18	Objective of the Course:	In this course the purpose is have proficiency for assembly a domestic air conditioning systems which is include vapor compression refrigeration cycle to student.								
19	Contribution of the Course to Professional Development:	To follow the developments related to the profession and to improve herself continuously								
20	Learning Outcomes:									
		1	To make assembly preparation for a domestic air conditioning systems							
		2	To learn components of air conditioning systems and their's functions							
		3	To assembly components of air conditioning systems							
		4	To assembly electrical components							
		5	To learn properties of refrigerant							
		6	To load refrigerant							
		7	To operate refrigeration cycle							
		8	To evaluate performance of refrigeration cycle							
		9								
		10)							
21	Course Content:									
107		Co	ourse Content:							
	Theoretical		Practice							
1	Components of assembling cabin Refrigeration systems		To know assembling techniques To determine system components							

2	Assembling of compressor		To connect, To isolate, To use hand instruments							
3	Assembling of condensor Assembling of evaporator		To use hand instruments To use hand instruments for cupper pipe To make weld							
4	Assembling of filter and dryer Assembling of capillary tube		To use hand instruments To use hand instruments for cupper pipe To make weld To cut capillary tube							
5	Thermal switch and relay connectio	n	To use hand instruments To connect cables To use electrical measurement device							
6	Connection of capacitor, Connection of thermostat Sensors		To connect cables	To use hand instruments To connect cables To use electrical measurement device						
7	Connection of fan		To use hand instruments To connect cables To use electrical measurement device							
8	Repeating courses and midterm exa	am								
9	Refrigerants		To select a refrigerant							
Activi	tes		Number	Duration (hour)	Total Work Load (hour)					
Theore	eical		14	2.00	28.00					
Practic	als/Labs		14	2.00	28.00					
Self stu	dy and preperation		To hake weld	3.00	42.00					
Homev			7	2.00	14.00					
Project	Operation of system		The use mand instrument The connect cables	14.00	28.00					
Field S			0	0.00	0.00					
Midterr	n exams		Tro read value	2.00	2.00					
Others			1	2.00	2.00					
Final E	Valuing of pressure		To read temperature	To read temperature						
Total V	Vork Load				146.00					
Total w	ork load/ 30 hr		To read pressure		4.87					
ECTS	Credit of the Course				5.00					
	Pressure- Enthalpy diyagram		To use electrical measurement device To read P-h diagram To use P-h diagram To read tables							
22	Textbooks, References and/or Othe Materials:	er	Soğutma Tekniği Ve Uygulamaları, Recep Yamankaradeniz, Lecturer notes							
23 TERM I	Assesment LEARNING ACTIVITIES	NUMBE	WEIGHT							
		R								
	m Exam	1	40.00 0.00							
Quiz	work project	0								
Home	work-project	0	0.00							

Final Exam	1	60.00					
Total	2	100.00					
Contribution of Term (Year) Learning Activiti Success Grade	es to	40.00					
Contribution of Final Exam to Success Grad	е	60.00					
Total		100.00					
Measurement and Evaluation Techniques U-Course		Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.					
24 ECTS / WORK LOAD TABLE							

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	4	5	5	4	5	1	5	1	3	3	1	2	0	0	0	0
ÖK2	5	3	5	3	5	1	5	2	3	1	1	2	0	0	0	0
ÖK3	3	5	5	3	4	1	5	1	3	3	1	2	0	0	0	0
ÖK4	3	5	5	5	4	1	5	1	3	3	1	2	0	0	0	0
ÖK5	5	5	4	2	5	1	5	2	4	1	1	3	0	0	0	0
ÖK6	3	5	4	2	5	1	5	1	3	3	1	2	0	0	0	0
ÖK7	3	5	4	4	3	1	5	1	2	1	1	2	0	0	0	0
ÖK8	5	3	4	3	5	1	5	4	4	1	1	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	on			3	3 Medium 4 High				5 Very High							