WELDING TECHNOLOGY

1	Course Title:	WELDING TECHNOLOGY
2	Course Code:	ISOS106
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):	1.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. SALİH COŞKUN
15	Course Lecturers:	Öür. Gör. Murat Arslan
16	Contact information of the Course Coordinator:	Doç. Dr. Salih Coşkun, Teknik Bilimler MYO İklimlendirme ve Soğutma Teknolojileri Programı GÖRÜKLE/BURSA Tel: 0224 2942353, coskuns@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The objective of this course is to gain competencies for students related to welding and assembling sheets pipes
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To be able to weld workpieces by using oxy-gas welding
	2	To be able to assemble weld workpieces by using oxy-gas welding
	3	To be able to assemble weld workpieces by using electric arc welding
	4	To be able to assemble weld workpieces by using gas metal arc welding
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21	Course Content:
	Course Content:

Week	Theoretical	Practice
1	Pressure Regulator Adjustment, Spot welding	Pressure Regulation of Oxigen in workshop
2	Wireless Stitch by Using Oxy-Gas Welding	Applications on workpiece with groups of students
3	Stitch by Using Oxy-Gas Welding	Applications on workpiece with groups of students
4	Spot Welding by using Oxy-Gas Welding on Workpieces	Applications on workpiece with groups of students

5	Assembling Sheets by Using Oxy-Gas Welding	Applications on workpiece with groups of students
6	Hot-Bending by Using Oxy-Gas Welding	Applications on workpiece with groups of students
7	Spot Welding by Using Electric Arc Welding Preparation to Pipe Welding Spot Welding to Pipes by Using Electric Arc Welding	Applications on workpiece with groups of students
8	Exam	Applications on workpiece with groups of students
9	Assembling Pipes by Using Electric Arc Welding	Applications on workpiece with groups of students
10	Assembling Sheets MIG/MAG Gas Metal Arc Welding,	Applications on workpiece with groups of students
11	Assembling pipes MIG/MAG Gas Metal Arc Welding	Applications on workpiece with groups of students
12	Assembling Sheets MIG/MAG Gas Metal Arc Welding,	Applications on workpiece with groups of students
13	Assembling Pipes MIG/MAG Gas Metal Arc Welding	Applications on workpiece with groups of students
14	Gas Shielded Tungsten (TIG) Electric Arc Welding	Applications on workpiece with groups of students

22	Textbooks, References and/or Other Materials:	1.Atölye İşlemleri, Ders Notları, Yard. Doç. Dr. Hüseyin BULGURCU, E. ŞİMŞEK 2.Bakır ve Alüminyum Boruları Montaja Hazırlama, Tesisat Teknolojisi ve İklimlendirme, MEGEP Ankara, 2007. 3.Uygulamalı Soğutma Tekniği, Nuri ÖZKOL, MMO Yayın No: 115 4.İş Güvenliüği ve Risk Değerlendirme Uygulamaları, Mehmet BAYIR, Mümin ERGÜL, uluslar arası Kalıp Üreticileri Birliği, Bursa, 2006

Activites		Number	Duration (hour)	Total Work Load (hour)
23 Assesment				
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Midterm Exam	1	20.00	4.00	40.00
Homeworks		1	20.00	20.00
Projects		0		
Home work-project	1	20.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1		
Total	3	100.00	10.00	10.00
Others		9	2.00	18.00
Success Grade		1	10.00	10.00
Final Exams				
Total Work Load				164.00
Total		100.00		
Total work load/ 30 hr				5.13
ECTS Credit of the Course				3.00
Course				

24 ECTS / WORK LOAD TABLE

25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	2	4	1	3	1	2	5	0	3	0	0	2	0	0	0	0
ÖK2	2	4	0	4	1	0	5	0	3	0	0	2	0	0	0	0
ÖK3	2	4	0	3	1	0	5	0	3	0	0	2	0	0	0	0

ÖK4	2	4	0	3	1	3	5	0	3	0	0	2	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**