WELDING TECHNOLOGY

1	Course Title:	WELDING TECHNOLOGY
2	Course Code:	İSOS106
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):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. Dr. NURETTİN YAMANKARADENİZ
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	Ögr.Gör.Nurettin Yamankaradeniz, Teknik Bilimler MYO İklimlendirme ve Soğutma Teknolojileri Programı GÖRÜKLE/BURSA Tel: 0224 2942398, nyk@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The students aimed to gain welding, welding sheet metal and welding pipes
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	To weld workpieces by using oxy-gas welding
	2	To assemble weld workpieces by using oxy-gas welding
	3	To assemble weld workpieces by using electric arc welding
	4	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	Practicing in lab with students related topic
2	Wireless Stitch by Using Oxy-Gas Welding	Practicing in lab with students related topic
3	Stitch by Using Oxy-Gas Welding	Practicing in lab with students related topic
4	Spot Welding by using Oxy-Gas Welding on Workpieces	Practicing in lab with students related topic

5	Assembling Sheets by Using Oxy-Gas Welding	Practicing in lab with students related topic
6	Assembling pipes by Using Oxy-Gas Welding	Practicing in lab with students related topic
7	Hot-Bending by Using Oxy-Gas Welding	Practicing in lab with students related topic
8	Hot-Bending by Using Oxy-Gas Welding	Practicing in lab with students related topic
9	Spot Welding by Using Electric Arc Welding,preparation to Pipe Welding	Practicing in lab with students related topic
10	Spot Welding to Pipes by Using Electric Arc Welding	Practicing in lab with students related topic
11	Assembling Sheets by Using Electric Arc Welding	Practicing in lab with students related topic
12	Assembling Pipes by Using Electric Arc Welding	Practicing in lab with students related topic
13	MIG/MAG Gas Metal Arc Welding	Practicing in lab with students related topic
14	Gas Shielded Tungsten (TIG) Electric Arc Welding	Practicing in lab with students related topic

22	Textbooks, References and/or Other Materials:	Kaynak Teknolojisinin Esasları L. M. Gourd, Prof. Dr. Adnan Dikicioğlu, Prof. Dr. Oktay Bodur, Prof. Dr. İ. Barlas Eryürek , Birsen yayın evi
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT	
Midterm Exam	1	25.00	

Activites	Number	Duration (hour)	Total Work Load (hour)
Final Exam	1	50.00	
Theoretical	14	1.00	14.00
Total	2	100.00	
Practicals/Labs	14	2.00	28.00
Contribution of Term (Year) Learning Activities to Success Grade	50.00		
Self study and preperation	10	1.00	10.00
Homeworks	1	5.00	5.00
Contribution of Final Exam to Success Grade	50.00		
Projects	1	7.00	7.00
Total	100.00		
Field Studies	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course			
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			84.00
Total work load/ 30 hr			2.80
ECTS Credit of the Course			3.00

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

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High