HYDRAULIC PNEUMATIC											
1	Course Title:	HYDRAU	JLIC PNEUMATIC								
2	Course Code:	MKNZ206									
3	Type of Course:	Compuls	ory								
4	Level of Course:	Short Cy	cle								
5	Year of Study:	2									
6	Semester:	4									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	2									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	face								
14	Course Coordinator:	Öğr.Gör.	RASIM KADERLİ								
15	Course Lecturers:	Öğr. Gör	. Rasim Kaderli								
16	Contact information of the Course Coordinator:	Öğr.Gör. Teknik B tlf.224 29	Rasim KADERLİ il. M.Y.O Makine Prog. 942375								
17	Website:										
18	Objective of the Course: Mechanical technicians with the basic concepts of fluid mechanics is necessary for hydrostatic and hydrodynamic principles kavrıyabilme and working principles of hydraulic and pneumatic control systems and control systems and circuits kavrıyabilme edit. Given craters establish appropriate hydraulic pneumatic circuits.										
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To understand the basic principles of hydraulics								
		2	Hydraulic components and circuitry recognition								
		3	Imps and kavriyabilme recognition.								
		4	Concept and types of motors and Valves								
		5	Direction Control Valve, recognition and comprehension								
		6	Flow control functions of the clutch vafllerinin								
		7	Pressure control functions of the clutch vaflerinin								
		8	Pneumatic valves, pneumatic circuits, and recognition and comprehension								
		9									
		10	0								
21	21 Course Content:										
	Course Content:										
Week	Theoretical		Practice								
1	Basic principles of hydraulics		The problem with solutions Fluids								
2	Hydraulic components and circuitry		Hydraulic circuit components introduce symbols								
3	Pumps		Pumps and related applications								
4	Cylinders		Applications of cylinders								

5	Motor	Motors							Μ	Motors-related applications										
6	Valve	Valves and variations							Va	Valves and types of recognition										
7	Direct	Directional control valves							Di	Directional control valves functions of the clutch										
8	Midte	idterm Exam																		
9	Flow	-low control vaflleri								Understanding the function of the circuit flow control valves										
10	Press	Pressure control vafleri								ressure	contro	ol valve	s in the	circuit	function	n, grip				
11	Pneur	Pneumatic components									Pneumatic clutch and mathematical calculations to make the working principles of sistemlerinmin.									
12	Pneur	neumatic circuits									Pneumatic circuit design to make									
13	Pneumatic motors and cylinders								Pı işl	Pneumatic motors and cylinders in the circuit grip işlemlarini										
14	Pneur	Pneumatic valves									Pneumatic and electro-pneumatic valves and clutch symbols.									
22	Textb Mater	Textbooks, References and/or Other Materials:																		
23	Asses	Assesment																		
TERM L	EARN	ING	ACTI	VITIES	;		1 1	NUMBE R	W	WEIGHT										
Midtern	n Exar	n					-	1	20	20.00										
Quiz							(	)	0.	0.00										
Home work-project 1								1	20	20.00										
Final Ex	xam								60	).00			<b>D</b>	<u>t'au (</u>		T = 4 = 1 \ A				
Activites										Load (h						vork nour)				
Theoretical																				
Contribution of Final Exam to Success Grade Practicals/Labs								16												
Self study and preperation										0.00										
Homeworks																				
Field Studies																				
Midterm exams																				
Others																				
Final Exams																				
Total W	Total Work Load																			
Total work load/ 30 hr																				
ECTS Credit of the Course																4.00				
25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK2	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK4	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 Higl	h	5 Very High					