

HYDRAULIC PNEUMATIC

1	Course Title:	HYDRAULIC PNEUMATIC	
2	Course Code:	MKNZ206	
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):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr.Gör. RASIM KADERLİ	
15	Course Lecturers:	Öğr. Gör. Rasim Kaderli	
16	Contact information of the Course Coordinator:	Öğr.Gör. Rasim KADERLİ Teknik Bil. M.Y.O Makine Prog. tlf.224 2942375	
17	Website:		
18	Objective of the Course:	Mechanical technicians with the basic concepts of fluid mechanics is necessary for hydrostatic and hydrodynamic principles kavriyabilme and working principles of hydraulic and pneumatic control systems and control systems and circuits kavriyabilme 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	Pumps 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 vafllerinin
		8	Pneumatic valves, pneumatic circuits, and recognition and comprehension
		9	
		10	
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	

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

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