



2017-2018 SYLLABUS
Control ve Automation Technology (İKMEP)

Course Code	Course Name	Hours / Week				Credits	ECTS Credits	Course Type
		Theoretical	Application	Practice/ Lab	Sum			
Year 1 / Semester 1								
9025001012010	Turkish Language I	2	0	0	2	2	2	Z
9025001022010	Ataturk's Principles and History of Turkish Revd	2	0	0	2	2	2	Z
9025001032010	Foreign Language I	4	0	0	4	4	4	Z
9025001052010	Mathematics	3	1	0	4	4	4	Z
9025001072010	Direct Current Circuit Analysis	3	1	0	4	4	4	Z
9025001092017	Measuring Technique	2	1	0	3	3	2	Z
9025001112010	Data and Communication Technology	2	1	0	3	3	3	S
9025001132010	History of Art I	2	0	0	2	2	2	S
9025001212012	Algorithms	1	1	0	2	2	2	S
9025001172010	Internship	0	0	0	0	0	4	Internship
9025001232014	Sign Language	2	0	0	2	2	2	S
9025001252014	Research Methods and Techniques	1	1	0	2	2	3	S
9025001272014	Entrepreneurship	2	0	0	2	2	2	S
9025001292017	Preparation for University Life	1	0	0	1	1	1	Z
Sum		27	6	0	33	33,0	23+7	
Year 1 / Semester 2								
9025000922010	Turkish Language II	2	0	0	2	2	2	Z
9025000942010	Ataturk's Principles and History of Turkish Revd	2	0	0	2	2	2	Z
9025000962010	Foreign Language II	4	0	0	4	4	4	Z
9025001062010	Basics of Electronics	3	1	0	4	4	4	Z
9025001082010	Alternative Current Circuit Analysis	3	1	0	4	4	4	Z
9025001102010	Vocational Mathematics	2	0	0	2	2	2	Z
9025001142010	Digital Electronics	3	1	0	4	4	4	Z
9025001182012	Object Based Programming I	3	1	0	4	4	4	S
9025001172010	Internship	0	0	0	4	0	4	Internship
9025001202014	Visual Programming	3	1	0	4	4	4	S
9025001222015	Control Circuits	1	1	0	2	2	4	S
Sum		26	6	0	34	32	26+4	
Year 2 / Semester 1								
9025002032010	System Analysis and Design I	1	1	0	2	2	3	Z
9025002052010	Microcontrollers	3	1	0	4	4	4	Z
9025002072010	Sensors and Transducers	1	1	0	2	2	2	Z
9025002092017	Control Systems	1	1	0	2	2	3	Z
9025002112010	Project Techniques	1	1	0	2	2	3	Z
9025002102012	Programmable Controllers	3	1	0	4	4	4	Z
9025002202012	Mechanism Technique	1	1	0	2	2	3	S
9025002142012	Power Electronics	3	1	0	4	4	5	S
9025002212012	Computer Based Circuit Design	1	1	0	2	2	2	Z
9025002232014	Digital Design	2	1	0	3	3	3	S
9025002252014	Object Based Programming II	3	1	0	4	4	5	S
9025002272017	TOPLUMA HİZMET UYGULAMALARI	1	0	0	1	1	1	Z
Sum		21	11	0	32	32	22+8	
Year 2 / Semester 2								
9025002022010	System Analysis and Design II	1	1	0	2	2	3	Z
9025002042010	Business Administration	2	1	0	3	3	4	Z
9025002062010	Scada Systems	2	1	0	3	3	4	Z
9025002082010	Hydraulic Pneumatic	3	1	0	4	4	4	Z
9025002182010	Advanced Microcontrollers	1	1	0	2	2	3	S
9025002172012	Electric Motors	2	1	0	3	3	4	Z
9025002322012	Computer Based Technical Drawing	2	1	0	3	3	3	Z
9025002262012	Programmable Controllers Applications	2	1	0	3	3	3	Z
9025002282012	Escalator Band Systems	2	1	0	3	3	3	S
9025002302012	Industrial Robots	1	1	0	2	2	2	S
9025002342015	Industrial Networks	1	1	0	2	2	2	S
Sum		19	11	0	30	30	25+5	