AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Process Control						
Course Code	MTR208		Couse Level		Short Cycle (Associate's Degree)		
ECTS Credit	2	Workload	50 *(Hours)*	Theory	1	Practice	1	Laboratory	0
Objectives of the Course	To ensure the control of the student, process control						
Course Content	Process program features, Process program installation, Control devices / Connection settings, Interface design, Database registration						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration						
Name of Lecturer(s)	Ins. Merve MUTİ İSTEK						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Ders notu

Week	Weekly Detailed Course Contents	
1	Theoretical	Process programs properties
2	Theoretical	Processing program Setup
3	Theoretical	Control devices/connection settings
4	Theoretical	Tags will
5	Theoretical	Interface design
6	Theoretical	Interface design
7	Theoretical	Interface design
8	Theoretical	The OPC's
9	Theoretical	The OPC's
10	Theoretical	TAGLOGGİNG
11	Theoretical	TAGLOGGİNG
12	Theoretical	Alarm handling
13	Theoretical	Record from the database
14	Theoretical	Record from the database
15	Theoretical	Record from the database

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	1	14
Assignment	1	1	1	2
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Recognition of process programs
2	To be able to use process programs
3	Ability to use control devices

4	To be able to design interface
5	Record to database

Programme Outcomes *(Mechatronics)*

1	TECHNICAL FOREIGN LANGUAGE
2	BASICS OF MECHATRONICS
3	TECHNICAL DRAWING
4	DOING BASIC MECHANIC PROSESES
5	CHOOSE THE MATERIALS
6	DOING MECHANICAL SYSTEM DESIGN
7	SET UP A HYDRAULİC OR PNEUMATICSYSTEMS
8	DOING COMPUTER AIDED MECHANICAL DESİGN
9	USINGFLEXIBLE PRODUCING SYSTEMS
10	USINGCOMPUTER AIDEDMACHINE TOOLS
11	DOING ELECTRICAL AND ELECTRONICAL
12	SET UP ELECTRICAL AND ELECTRONICAL CIRCUITS
13	SET UP LOGICAL CIRCIUTS
14	DOING COMPUTER AIDED ELECTRONICAL CIRCUITSDESİGN
15	SET UP ELECTRICAL MOTORS
16	SET UP MICROCONTROLLER CIRCIUTS
17	SET UP CONTROL SYSTEMS
18	COMMUNICATE CONTROL SYSTEMS
19	DOING INDUSTRIAL ROBOTIC PROGRAMMINGAND MAINTENANCE
20	WRITING COMPUTER PROGRAMME
21	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
22	Ability to plan a career in their own profession.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P12	5	5	5	5	5
P17	5	5	5	5	5
P18	5	5	5	5	5