AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	System Analysis and Design I								
Course Code	MTR291		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	48 *(Hours)*	Theory	1	Practice	1	Laboratory	0
Objectives of the Course	In this lesson; detailed design skills and designing, implementing, and presenting information.								
Course Content	Choosing the subject of study, presenting the information obtained, installing the system / product, testing the system / product, presenting the outputs of the system / product in a report								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Project Based Study								
Name of Lecturer(s)	Ins. Zafer KORKMAZ								

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	Choose The Subject Of The Work
2	Theoretical	Provide Information Obtained
3	Theoretical	System/Product functions and define variables
4	Theoretical	Select The Required Materials
5	Theoretical	Provide Information Obtained
6	Theoretical	To prepare the schema of the System/Product Specifications or flow
7	Theoretical	To make the System/Product or Calculations
8	Theoretical	To make the System/Product or Calculations
9	Theoretical	Set Up The Environment To Run The System/Product
10	Theoretical	To Make The Installation Of The System/Product
11	Theoretical	To Make The Installation Of The System/Product
12	Theoretical	To Test The System/Product
13	Theoretical	To Test The System/Product
14	Theoretical	The Output From The System/Product To Provide The Report In

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	1	14
Midterm Examination	1	9	1	10
Final Examination	1	9	1	10
			Total Workload (Hours)	48
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	determine the scope of the project
2	To be able to do detailed research about the subject
3	Preparing for writing the project
4	Writing project

5	To prepare the report of the project

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
P2	5	5	5	5	5