AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Computer Aided Design I						
Course Code	ELE205		Couse Level	Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	In this course, it is aimed to have the students gain the abilities and knowledge about computer aided technical and vocational drawing.						
Course Content	Drawing a substance by basic drawing commands and drawing on to an architectural plan						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Project Based Study, Individual 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	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic Drawing Methods
2	Theoretical	Drawing of a Presented Substance
	Practice	Drawing of a Presented Substance
3	Theoretical	Making out Aspect and Cross-section from Perspective Picture
	Practice	Making out Aspect and Cross-section from Perspective Picture
4	Theoretical	Making out Aspect and Cross-section from Perspective Picture, Layers, Colours and Lines
5	Theoretical	Layers, Colours and Lines, Program Specialties, Drawing Screen, Dimensioning
6	Theoretical	Program Specialties, Drawing Screen, Dimensioning
7	Theoretical	Program Specialties, Drawing Screen, Dimensioning, Basic Drawing Commands
8	Theoretical	Basic Drawing Commands
9	Theoretical	Basic Drawing Commands
10	Theoretical	Basic Installation Drawing
11	Theoretical	Basic Installation Drawing, Installation Drawing on Architectural Plan
	Practice	Basic Installation Drawing, Installation Drawing on Architectural Plan
12	Theoretical	Installation Drawing on Architectural Plan
	Practice	Installation Drawing on Architectural Plan
13	Theoretical	Installation Drawing on Architectural Plan
	Practice	Installation Drawing on Architectural Plan
14	Theoretical	Installation Drawing on Architectural Plan
	Practice	Installation Drawing on Architectural Plan

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Laboratory	8	2	1	24
Midterm Examination	1	10	1	11

Final Examination	1	10	2	12
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Making a technical drawing, writing a standard inscription
2	Making basic computer aided geometrical drawings
3	Drawing a computer aided project
4	Draws an architectural plan on the installation project.
5	Can draw different installation 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
P3	5	5	5	5	5
P12	5	5	5	5	5