



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Computer Aided Project-II							
Course Code		ELE204		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	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 of illumination and power projects on computer media							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Project Based Study, Individual Study, Problem Solving					
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	Lecturer notes
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Week	Weekly Detailed Course Contents	
1	Theoretical	Reading of Architectural, Electrical and Machine Projects
2	Theoretical	Reading of Architectural, Electrical and Machine Projects
3	Theoretical	Planning of a Project
4	Theoretical	Planning of a Project
5	Theoretical	Planning of a Project
6	Theoretical	Drawing Low Current Installation Projects on the Computer
7	Theoretical	Drawing Low Current Installation Projects on the Computer
8	Theoretical	Drawing Illumination Projects on the Computer
9	Theoretical	Drawing Illumination Projects on the Computer
10	Theoretical	Making Calculations of Project
11	Theoretical	Drawing Power Projects on the Computer
12	Theoretical	Drawing Power Projects on the Computer
13	Theoretical	Drawing Facility Projects on the Computer
14	Theoretical	Drawing Facility Projects on the Computer

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Midterm Examination	1	8	1	9
Final Examination	1	8	2	10
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	
2	Making basic computer aided geometrical drawings
3	Drawing a computer aided project
4	Make project calculations.



5	Draws lighting and force projects.
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**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 HYDRAULIC OR PNEUMATIC SYSTEMS
8	DOING COMPUTER AIDED MECHANICAL DESIGN
9	USING FLEXIBLE PRODUCING SYSTEMS
10	USING COMPUTER AIDED MACHINE TOOLS
11	DOING ELECTRICAL AND ELECTRONICAL
12	SET UP ELECTRICAL AND ELECTRONICAL CIRCUITS
13	SET UP LOGICAL CIRCUITS
14	DOING COMPUTER AIDED ELECTRONICAL CIRCUITS DESIGN
15	SET UP ELECTRICAL MOTORS
16	SET UP MICROCONTROLLER CIRCUITS
17	SET UP CONTROL SYSTEMS
18	COMMUNICATE CONTROL SYSTEMS
19	DOING INDUSTRIAL ROBOTIC PROGRAMMING AND 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

