



AYDIN ADNAN MENDERES UNIVERSITY
SÖKE VOCATIONAL SCHOOL
ELECTRICAL AND ENERGY
ALTERNATIVE ENERGY SOURCES TECHNOLOGY
COURSE INFORMATION FORM

Course Title	Computer Assisted Design								
Course Code	AET106			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	99 (Hours)	Theory	1	Practice	1	Laboratory	0
Objectives of the Course	With this course it is aimed to equip students with competencies of computer assisted two dimensional and three dimensional drawings.								
Course Content	Entering Initial drawing settings, drawing commands/coordinates, geometric shapes, entering editing commands, drawing installment parts, changing layer features, changing item features, calibrating drawings, adding writings to the drawings, changing user coordination system, adjusting screen parts, making isometric drawing, modeling surface, concrete modeling.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Individual Study								
Name of Lecturer(s)	Cemal GÖVEN, Ins. Ahmet Cumhuri ÖZTÜRK								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Fundamentals of Computer Aided Design and Applications-Sait M. Say, Mustafa Şehri

Week	Weekly Detailed Course Contents	
1	Theoretical	Entering Initial drawing settings
2	Theoretical	drawing commands/coordinates
3	Theoretical	geometric shapes
4	Theoretical	entering editing commands
5	Theoretical	drawing installment parts
6	Theoretical	changing layer features
7	Theoretical	changing item features
8	Theoretical	calibrating drawings
9	Theoretical	adding writings to the drawings
10	Theoretical	changing user coordination system
11	Theoretical	adjusting screen parts
12	Theoretical	making isometric drawing
13	Theoretical	modeling surface
14	Theoretical	concrete modeling.

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	0	1	14
Assignment	7	3	0	21
Term Project	1	14	0	14
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				99
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				



Learning Outcomes

1	Making computer assisted drawing
2	Editing drawing
3	Editing layer and item features
4	Adjusting coordination system and screen view
5	Making three dimensional drawing

Programme Outcomes (Alternative Energy Sources Technology)

1	Carry out installing work
2	Do mechanical drawing
3	Do pipe welding
4	Do basic electricity works
5	Do Computer assisted design
6	Install solar energy hot water preparation system.
7	Do measurement and calculations practices.
8	Do basic practices of geothermal energy.
9	Install control and automation system.
10	Install domestic water heating system with solar energy.
11	Generate electricity with solar energy
12	Generate electricity with wind power
13	Do geothermal energy practices
14	Install domestic cooling system
15	Do heating pump practices
16	Manage a business
17	SET UP A WORKPLACE/ BUSINESS (pre-requisite)
18	OBEY VOCATIONAL ETHICAL VALUES
19	RESEARCH AND EVALUATION/OBSERVATION
20	SELFIMPROVEMENT WITH USING INFORMATION FACILITIES
21	Knows the effects of all energy sources on the environment.
22	Can communicate in a foreign language

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

	L1	L2	L3	L4	L5
P5	3	4	4	5	5
P20	4	4	5	5	5

