AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Technical Drawing								
Course Code	AET155		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	1	Laboratory	0
Objectives of the Course	In this lesson student will be able to draw basic geometric shapes, can make projections and appearances and will have competencies of drawing perspectives.								
Course Content	Equipment of Mechanical Drawing, Types of lines, Drawing of Geometric Shapes, Projection, sketching appearance, Scales and Scaling, Perspective.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Lecturer notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Equipment of Mechanical Drawing
2	Theoretical	Types of lines
3	Theoretical	Types of lines
4	Theoretical	Drawing of Geometric Shapes
5	Theoretical	Drawing of Geometric Shapes
6	Theoretical	Drawing of Geometric Shapes
7	Theoretical	Projection
8	Theoretical	Projection
9	Theoretical	sketching appearance
10	Theoretical	sketching appearance
11	Theoretical	Scales and Scaling
12	Theoretical	Scales and Scaling
13	Theoretical	Perspective
14	Theoretical	Perspective

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	1	2	42
Midterm Examination	1	7	1	8
Final Examination	1	7	1	8
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Drawing basic geometric shapes
2	Sketching projection and appearance
3	Making perspective drawing
4	Makes three-dimensional drawing

5	Technical writing

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 EVALUA0TION/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
23	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
24	Ability to plan a career in their own profession.
25	To produce solutions by using the laws of physics in the use or design of tools-machines or devices related to the profession.
26	To provide them with knowledge about substance use and addiction problem and prevention methods.

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
P20	3	3	3	3	4