

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		System Analy	sis and Desigi	n-II						
Course Code		AET292		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0	
Objectives of the Course		In this lesson it is aimed that students acquire knowledge and skills about designing application project, applying and presenting it.								
Course Content		For the product that will be prepared as project using scientific method and techniques making product analysis and promotion								
Work Placement		N/A								
Planned Learning Activities and Teach		and Teaching	Methods	Explanat	tion (Presenta	tion), Individua	I Study			
Name of Lecturer(s)		Prof. Kutalmış	GÜVEN							

Assessment Methods and Criteria

Midterm Examination	1	40	
Final Examination	1	70	

Recommended or Required Reading

1 Research projects.

Week	Weekly Detailed Cour	se Contents
1	Theoretical	
2	Theoretical	
3	Theoretical	
4	Theoretical	
5	Theoretical	
6	Theoretical	
7	Practice	Making system/product program or calculations,
8	Practice	Making system/product program or calculations,
9	Theoretical	Setting up system/product
10	Theoretical	Setting up system/product
11	Practice	Testing system/product
12	Practice	Testing system/product
13	Theoretical	Presenting outputs of system/product as a report
14	Theoretical	Presenting outputs of system/product as a report

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload		
Lecture - Theory	14	0	2	28		
Midterm Examination	1	10	1	11		
Final Examination	1	10	1	11		
	50					
	2					
*25 hour workload is accepted as 1 ECTS						

Learning Outcomes

1	Determining target and content of system /product	
2	Making a detailed research about system/product topic	
3	Making calculations/ writing software about system/product	
4	Design project related to the system.	



Progr	amme 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
P16	4	4	4	4	4
P17	4	4	4	4	4
P18	5	5	5	5	5
P19	5	5	5	5	5
P20	4	4	4	4	4

