

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

Course Title	Environment Protection								
Course Code	AET257		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit 2	Workload 50	0 (Hours)	Theory	2	Practice	0	Laboratory	0	
Objectives of the Course	The aim of this co the sensitivity to t environmental pro effective and effici have a basic under	the environate of the children	ment. The m I be explaine or large scale	ethods and d in the co measures	d methodologie ourse by discus s. After taking t	es to be use sing how co his course, s	d for effective ountries can help i students are expe	n an	
Course Content	They will learn the awareness, environments, environments.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods			Explanation	(Presenta	tion), Discussion	on, Case Stu	ıdy		
Name of Lecturer(s)									

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

Recommended or Required Reading

1 Serpil BARDAKÇI TOSUN, Slayt-Researching articles

Week	Weekly Detailed Cour	/ Detailed Course Contents						
1	Theoretical	Introduction, What is the environment? Who are affected positively and negatively by environmental problems?						
2	Theoretical	Physicochemical Processes of Environmental Management						
3	Theoretical	Air, soil and water pollution control and analysis of physical and chemical principles of waste processes						
4	Theoretical	Process Dynamics / Sedimentation, Coagulation, Fiftration, Adsorption, Oxidation; Pesticides						
5	Theoretical	Air Pollution / Radioactive Pollutants						
6	Theoretical	Water Pollution; Disposal of Solid Wastes						
7	Theoretical	Environmental impact assessment						
8	Intermediate Exam	Exam-1						
9	Theoretical	Environmental Management / Environmental Microbiology						
10	Theoretical	Water Quality Management						
11	Theoretical	Air Pollution Control						
12	Theoretical	Air Pollution Control						
13	Theoretical	Turkey's environmental problems, the measures and actions taken regarding environmental pollution in the world						
14	Theoretical	Turkey's environmental problems, the measures and actions taken regarding environmental pollution in the world						

Workload Calculation						
Activity	Quantity	Preparation	Duration	Total Workload		
Lecture - Theory	14	0	2	28		
Midterm Examination	1	10	1	11		
Final Examination	1		1	11		
	50					
[Total Workload (Hours) / 25*] = ECTS						
*25 hour workload is accepted as 1 ECTS						



Learn	ing Outcomes								
1	They are aware of environmental problems.								
2	To know the natural resources and their properties								
3	Knows ecosystems, biosphere, energy use and environment relations.								
4	Knows the relations between nuclear energy and environment								
5	Knows atmospheric pollution and pollutants								
6	Knows water pollution and sources								
7	Knows soil pollution and sources								
8	Interprets the relations between agriculture and environment, pest sites and environmental pollution								
9	Knows the methods of preparing environmental impact assessment report								
10	Prepares environmental impact assessment report								

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 EVALUAOTION/OBSERVATION 20 SELFIMPROVEMENT WITH USING INFORMATION FACILITIES 21 Knows the effects of all energy sources on the environment.	Progra	amme Outcomes (Alternative Energy Sources Technology)							
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	20	SELFIMPROVEMENT WITH USING INFORMATION FACILITIES							
	21	Knows the effects of all energy sources on the environment.							
22 Can communicate in a foreign language	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	L6	L7	L8	L9	L10
P21	5	5	5	5	5	5	5	5	5	5

