



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environment Protection							
Course Code		AET257		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to explain the importance of preventing environmental pollution by increasing the sensitivity to the environment. The methods and methodologies to be used for effective environmental protection will be explained in the course by discussing how countries can help in an effective and efficient way for large scale measures. After taking this course, students are expected to have a basic understanding and knowledge to be more sensitive and conscious to the environment.							
Course Content		They will learn the importance and critical issues of air, water, soil pollution, recycling, environmental awareness, environmental protection. - learn the basic tools, techniques and principles of environmental protection.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Ins. Aysun SAHİN							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Serpil BARDAKÇI TOSUN, Slayt-Researching articles
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Week	Weekly 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, Filtration, 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	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS



**Learning 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

**Programme Outcomes (Electrics)**

1	ABILITY TO MAKE APPLICATIONS OF MEASUREMENT AND CALCULATION
2	ABILITY TO MAKE CONNECTIONS OF A DC CIRCUIT
3	ABILITY TO MAKE BASIC ELECTRONIC CIRCUIT AND APPLICATIONS
4	ABILITY TO MAKE ELECTRIC INSTALLMENT APPLICATIONS
5	ADAPTING VOCATIONAL ETHICAL VALUES
6	ABILITY TO MAKE COMMUNICATION
7	ABILITY TO MAKE CONNECTIONS OF AC CIRCUIT
8	ABILITY TO MAKE NUMERICAL CIRCUITS
9	ABILITY TO MAKE INSTALLATIONS OF TRANSFORMER AND DC ELECTRIC MACHINES
10	ABILITY TO MAKE COMPUTER AIDED DESIGN
11	ABILITY TO APPLY VOCATIONAL TECHNICAL METHODS
12	ABILITY TO MAKE INSTALLATIONS OF AC ELECTRIC MACHINES
13	ABILITY TO MAKE SPECIAL ELECTRIC INSTALLMENTS
14	ABILITY TO MAKE INSTALLMENTS OF COMMAND SYSTEMS
15	ABILITY TO DRAW COMPUTER AIDED ELECTRIC SCHEME
16	ABILITY TO MAKE POWER ELECTRONICS CIRCUITS
17	ABILITY TO MAKE SYSTEM ANALYSIS AND PRODUCT DESIGN
18	ABILITY TO IMPROVE ONESELF UTILIZING INFORMATION OPPORTUNITIES
19	ABILITY TO DRAW COMPUTER AIDED ELECTRIC INSTALLMENT PROJECT
20	ABILITY TO MAKE ANALYSIS AND MAINTENANCE OF ELECTRICAL ENERGY PRODUCTION SYSTEMS
21	ABILITY TO MAKE THE WINDING OF ACCURATE AND ALTERNATIVE CURRENT ENGINES
22	ABILITY TO RECOGNIZE SYSTEMS USED IN ELECTRICAL ENERGY TRANSMISSION AND DISTRIBUTION AND TROUBLESHOOTING
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 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	L6	L7	L8	L9	L10
P1			4			3	3	3		2
P5	5	5	3	3	4	4	4	4	4	
P6	5	4	4	4	3	4	3	3	4	
P10						2	5			
P11								4		4
P17				3	3	2	2	3	4	4
P18			4					3	4	5

