



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Environment Protection							
Course Code		AET257		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 ( <i>Hours</i> )	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 ŞAHİN							

### 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
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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	Theoretical	Environmental Management / Environmental Microbiology
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 (Computer - Aided Design and Animation)**

1	Using the basic knowledge and skills acquired in the field, interpret and evaluate data, identify problems, to analyze, to have the ability to develop evidence-based solutions.
2	To select and effectively use modern techniques that are for applications relevant to the field
3	Gaining the application skill by examining the relevant processes in industrial and service sector
4	To find solution when encounters unforeseen situations in the field, to gain the ability to be able to take responsibility in a team or make individual research.
5	To gain the awareness of the need for lifelong learning, continuous self-renewal monitoring and awareness of developments in science and technology
6	To gain the ability to use computer software and hardware required by the basic level of the field.
7	To be conscious about occupational safety, occupational health, environmental protection and quality.
8	Effective communication and follow the innovations in the field.
9	In mathematics, science and engineering directed to his/her field of basic theoretical and practical knowledge.
10	Having the planning skills related to Computer Aided Design and Animation program to meet the needs of the sector.
11	Gaining skills on technical drawing, computer-aided drafting, design using simulation programs in the field of making and using a variety of software systems and components to choose, to calculate the basic sizing, draw plans and projects.
12	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
13	Ability to plan a career in their own profession.
14	Can communicate effectively.

**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	L9
P5	4	4	4	4	4	4	4	1

