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 *(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 ŞAHİN								

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

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, 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	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 *(Mechatronics)*	
1	TECHNICAL FOREIGN LANGUAGE
2	BASICS OF MECHATRONICS
3	TECHNICAL DRAWING
4	DOING BASIC MECHANIC PROSESES
5	CHOOSE THE MATERIALS
6	DOING MECHANICAL SYSTEM DESIGN
7	SET UP A HYDRAULİC OR PNEUMATICSYSTEMS
8	DOING COMPUTER AIDED MECHANICAL DESİGN
9	USINGFLEXIBLE PRODUCING SYSTEMS
10	USINGCOMPUTER AIDEDMACHINE TOOLS
11	DOING ELECTRICAL AND ELECTRONICAL
12	SET UP ELECTRICAL AND ELECTRONICAL CIRCUITS
13	SET UP LOGICAL CIRCIUTS
14	DOING COMPUTER AIDED ELECTRONICAL CIRCUITSDESİGN
15	SET UP ELECTRICAL MOTORS
16	SET UP MICROCONTROLLER CIRCIUTS
17	SET UP CONTROL SYSTEMS
18	COMMUNICATE CONTROL SYSTEMS
19	DOING INDUSTRIAL ROBOTIC PROGRAMMINGAND MAINTENANCE
20	WRITING COMPUTER PROGRAMME
21	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
22	Ability to plan a career in their own profession.

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	1	1	1	1	1	1	1	1	1	1
P2	1	1	1	1	1	1	1	2	1	2
P3	5	1	1	1	2	2	1	1	1	1
P4	1	2	1	1	1	1	2	1	1	2
P5	1	1	1	1	2	1	1	2	1	1
P6	1	2	2	1	1	1	1	1	1	2
P7	1	1	1	1	2	1	1	2	1	1
P8	1	1	2	1	1	2	1	1	1	1
P9	1	1	1	2	1	2	2	1	1	1
P10	1	1	1	1	1	2	1	1	1	2
P11	2	2	1	2	1	1	1	2	1	1
P12	3	1	1	1	1	1	1	1	1	1
P13	1	1	1	1	2	1	1	2	1	1
P14	2	1	2	1	2	1	2	1	1	1
P15	2	1	1	1	2	1	1	2	1	1
P16	2	5	1	1	2	1	1	1	1	2

P17	1	1	1	1	1	1	1	1	1	1
P18	1	1	1	1	1	1	1	1	1	2
P19	1	1	1	1	1	1	1	1	1	1
P20	1	1	1	1	1	1	1	1	1	1