



**AYDIN ADNAN MENDERES UNIVERSITY**  
**AYDIN VOCATIONAL SCHOOL OF HEALTH SERVICES**  
**MEDICAL SERVICES AND TECHNIQUES**  
**MEDICAL LABORATORY TECHNIQUES**  
**COURSE INFORMATION FORM**

Course Title	Environmental Awareness								
Course Code	ÇS801			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Environmental science, environmental problems, global environmental problems, solutions for environmental problems, environmental law and procedures								
Course Content	What is environment, Environmental pollution and its effect, Ozone layer, Alternate energy sources, Global warming and climate change, Importance of biological diversity, Natural and international laws regarding environmental problems.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Ins. Hayriye Nurcan EK								

#### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

#### Recommended or Required Reading

1	Çevre Bilgisi- Yrd. Doç. Dr. Recep Bozyiğit, Öğr. Gör. Tufan Karaaslan
2	Yeşil Yönetim ve Çevre Bilinci- Dr. Ergün Kara

Week	Weekly Detailed Course Contents	
1	Theoretical	What is environment
2	Theoretical	Environmental pollution and its effects
3	Theoretical	Environmental problems
4	Theoretical	Air Pollution
5	Theoretical	Water Pollution
6	Theoretical	Waste Pollution
7	Theoretical	Soil Pollution
8	Theoretical	Midterm
9	Theoretical	Nuclear, radioactive and electromagnetic pollution
10	Theoretical	Noise and its effects
11	Theoretical	Ozone layer
12	Theoretical	Alternate energy sources
13	Theoretical	Global warming and climate change
14	Theoretical	Importance of biological diversity
15	Theoretical	Natural and international laws regarding environmental problems

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	3	1	4
Final Examination	1	3	1	4
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = ECTS	2

\*25 hour workload is accepted as 1 ECTS

#### Learning Outcomes

1	Understanding of environmental science
2	Defining of global and national environmental problems



3	Importance of alternate energy sources
4	Importance of biological diversity
5	Understanding of environmental laws and procedures

### Programme Outcomes (Medical Laboratory Techniques)

1	To be able to have sufficient background in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, cytogenetics etc.); the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledge and other resources have been supported applications and tools based on secondary-level qualifications gained in the field of Medical Laboratory Techniques Program to-date textbooks containing formations
3	To be able to have basic knowledge about structure and function of systems in human, to analyse these data on tissue, cell and diseases.
4	To be able to analyse the medical samples necessary for physicians by using tools, equipment and techniques at the diagnostic and the therapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratory tools and equipments according to rules and techniques, and make controls and maintenance of them
6	To be able to perform basic tests of related different medical laboratories, prepare solutions.
7	To be able to perform proper sample collection and transport procedures for the medical laboratory tests from the patient.
8	To be able to perform preanalytical sample preparation procedure, prepare inspection preparations, perform disinfection and sterilization
9	To be able to interpret and evaluate data, define and analyze problems, develop solutions based on research and proofs by using acquired basic knowledge and skills with in the field.
10	To be able to have knowledge about work organization and carry out related practice in medical laboratories
11	To be able to carry out laboratory safety protocols, take individual safety precaution and create safe laboratory environment.
12	To be able to gain the ability to apply by viewing and evaluating the processes related to his/her fields in public and private sector.
13	To be able to gain the awareness of the necessity of life long learning, ability to follow developments in science and technology and self-renewal.
14	To be able to help laboratory experts and medical scientists for their researches
15	To be able to be aware of individual and public health, environmental protection and job security issues, understanding the basic level of the relationship.
16	To be able to grasp principles of Atatürk and their evolutions, to ensure national, ethical, spiritual and cultural values, to adopt to universal and contemporary developments
17	To be able to communicate efficiently for medical service and speak Turkish efficiently.
18	To be able to communicate in English at basic level, utilize foreign language on occupational practice

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P2	3	3	3	3	3
P13	5	5	5	5	5
P15	5	5	5	5	5

