



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

Course Title	Public Health								
Course Code	ÇS103			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To get to know principles of basic public health and use them for protection of human being, public and environmental health especially critical periods.								
Course Content	What is the basic public health? General concepts of public health and interactions between them, historical progress of public health, development of public health knowledge in the world and development of public health in Turkey.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Eren , Nevzat; Çağlar Boyunca Toplum, Sağlık, İnsan/ Ank.Samgür, 1996 Eren , Nevzat
2	Sağlık Hizmetlerinde Yönetim/ Ank. Hatiboğlu, 1989 Yumuturuğ , Sevi

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic concepts about public health
	Preparation Work	Projection apparatus, slate, supporter books
2	Theoretical	Protection of epidemics
	Preparation Work	Projection apparatus, slate, supporter books
3	Theoretical	Analyze of the risk for epidemics
	Preparation Work	Projection apparatus, slate, supporter books
4	Theoretical	The effects of pollution for the environment and public
	Preparation Work	Projection apparatus, slate, supporter books
5	Theoretical	Protection of environmental problems
	Preparation Work	Projection apparatus, slate, supporter books
6	Theoretical	The risk analyze of pollution
	Preparation Work	Projection apparatus, slate, supporter books
7	Theoretical	Precautions for protection
	Preparation Work	Projection apparatus, slate, supporter books
8	Intermediate Exam	Midterm
9	Theoretical	Epidemiology
	Preparation Work	Projection apparatus, slate, supporter books
10	Theoretical	Emergency help
	Preparation Work	Projection apparatus, slate, supporter books
11	Theoretical	Emergency help
	Preparation Work	Projection apparatus, slate, supporter books
12	Theoretical	Organization scheme for disease
	Preparation Work	Projection apparatus, slate, supporter books
13	Theoretical	Direction of crisis during the disease
	Preparation Work	Projection apparatus, slate, supporter books
14	Theoretical	Direction of crisis during epidemics
	Preparation Work	Projection apparatus, slate, supporter books



15	Theoretical	Different approaches to protect epidemics
	Preparation Work	Projection apparatus, slate, supporter books

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Report	4	1	1	8
Midterm Examination	1	6	1	7
Final Examination	1	6	1	7
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to comprehend the basic public health knowledge
2	To be able to comprehend the knowledge of environmental epidemiology and risk assessment
3	To be able to describe what should an environmental health professional do in case of miscellaneous and extraordinary environmental problems
4	Follows the scientific and technological developments related to the public health.
5	Knows the techniques of effective communication, and uses the ability in practice.

Programme Outcomes (Medical Laboratory Techniques)

1	To be able to have sufficient back ground in medical laboratory techniques and medical laboratory branches (biochemistry, microbiology, parasitology, sitogenetiketc.);the ability to use theoretical and practical knowledge in these fields.
2	To be able to have the basic theoretical and practical knowledgeand other resources have been supported applications and tools based on secondary-level qualifications gained in the field of Medical Laboratory Techniques Program to-date text boks 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 rapeutic laboratories of health agencies and evaluate the data.
5	To be able to use the medical laboratoy tools and equipments according to rules and technics, 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, under standing the basic level of the relationship.
16	To be able to grasp principles of Atatürk and there volutions, to ensurenational, 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
P2	5	5	5
P13	5	5	5
P15	5	5	5

