



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

Course Title	Infectious Diseases								
Course Code	AN104	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	3	Workload	76 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Student will gain knowledge about common infectious diseases that are seen in operating room, intensive care and reanimation units.								
Course Content	Diseases of the systems, basic knowledge about diagnosis and treatment								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Ins. Nejla BİÇER								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Hospital Infections (Ed: A Yüce and N Çakır) 2nd Edition, İzmir Güven Publications, 2009

Week	Weekly Detailed Course Contents	
1	Theoretical	Infection Formation
2	Theoretical	Infection signs and symptoms
3	Theoretical	Respiratory Tract Infections
4	Theoretical	Blood Transmitted Infections
5	Theoretical	Fecal-Oral Transmitted Infections
6	Theoretical	Sexually Transmitted Infections
7	Theoretical	Childhood Infections and Immunization Schedule
8	Theoretical	Infections of Intensive Care Unit
9	Intermediate Exam	Midterm Exam
10	Theoretical	Nosocomial Infections
11	Theoretical	Protection Methods of Nosocomial Infections
12	Theoretical	Nosocomial Infection Control Comitee
13	Theoretical	Disinfection and sterilisation
14	Theoretical	Personal protection methods
15	Theoretical	Isolation methods
16	Final Exam	FINAL EXAM

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	14	2	1	42
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
			Total Workload (Hours)	76
			[Total Workload (Hours) / 25*] = ECTS	3

\*25 hour workload is accepted as 1 ECTS

Learning Outcomes	
1	To be able to define infection
2	To be able to differentiate common infectious diseases



3	To be able to define nosocomial infections and know ways of prevention
4	To be able to differentiate the methods of prevention from infections
5	Collaborate with Hospital Infection Control Committee

### 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 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 text books 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
P3	4	4	4	4
P11	4	4	4	4
P13	3	3	3	3
P15	4	4	4	4
P17	3	3	3	3
P18	4	4	4	4

