



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

Course Title	Summer Internship								
Course Code	TL500			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (Hours)	Theory	0	Practice	2	Laboratory	0
Objectives of the Course	Summer internship students to consolidate the theoretical knowledge gained with in the time limit learning, hands-on courses to improve their experiences, where they will serve their responsibilities, their relationships, the organization of the production process and is intended to provide recognition of the new technologies.								
Course Content	The aim of the internship is to enable the students to have knowledge and experience about the total test process by participating in the applications in medical laboratories.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Case Study, Individual Study								
Name of Lecturer(s)									

#### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Report	1	100

#### Recommended or Required Reading

1	Regulations and Guidelines
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Week	Weekly Detailed Course Contents	
1	Practice	Medical laboratory practices
2	Practice	Medical laboratory practices
3	Practice	Medical laboratory practices
4	Practice	Medical laboratory practices
5	Practice	Medical laboratory practices
6	Practice	Medical laboratory practices
7	Practice	Medical laboratory practices
8	Practice	Medical laboratory practices
9	Practice	Medical laboratory practices
10	Practice	Medical laboratory practices
11	Practice	Medical laboratory practices
12	Practice	Medical laboratory practices
13	Practice	Medical laboratory practices
14	Practice	Medical laboratory practices
15	Practice	Medical laboratory practices

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	20	3	2	100
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

#### Learning Outcomes

1	To have knowledge and skill about working of medical laboratories
2	to be able to Perform basic medical laboratory tests
3	Checking the suitability of samples



4	Culturing of samples (Microbiology) Evaluation of cultures (Microbiology) Microscopic examination of cultures by staining (Microbiology) Testing of tests, evaluation of results and technical approval Performing daily / weekly maintenance of the test device
5	Removal of test samples according to the rules of the laboratory Giving test results reports

### 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, sitogenetik 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 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	L5
P1	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5
P11	5	5	5	5	5
P12	5	5	5	5	5
P14	5	5	5	5	5

