



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

Course Title	Organization at the Medical Laboratory								
Course Code	TL102	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Student will make work organization in medical laboratory								
Course Content	Save the patient data on the computer, Confirm the patient data, Breakdown the patient reports, Provide the daily cleaning and order of the work place ,Control thematerialssuch as kits, chemical, reactive and consumables,Explain the patient the taking of urine, Explain the patient the taking of stool, Acceptand barcode the material provided by the patient, Transfer the patient material to the laboratory								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, 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. Laboratuvar El Kitabı, M.K.ERBİL,E.SARUHAN,Gata Basımevi Ankara,2005
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Week	Weekly Detailed Course Contents	
1	Theoretical	Save the patient data on the computer
2	Theoretical	Confirm the patient data
3	Theoretical	Breakdown the patient reports
4	Theoretical	Provide the daily cleaning and order of the work place
5	Theoretical	Control the materials such as kits, chemical, reactive and consumables, Control the material such as broth, lam and paint
6	Theoretical	Make the daily, weekly, monthly and annual controls of the gadgets
7	Theoretical	Provide the removal of microbiologic waste Provide the removal of medical waste
8	Intermediate Exam	Midterm exam
9	Theoretical	Explain the patient the taking of urine (spot urine) Explain the patient the taking of 24 hour urine
10	Theoretical	Explain the patient the taking of stool Explain the patient bandage method
11	Theoretical	Accept and barcode the material provided by the patient Transfer thepatient material to the laboratory (normal / vacuum system)
12	Theoretical	Take blood from patient
13	Theoretical	Take throat wipe sample
14	Theoretical	Make the patient collect urine with catheter
15	Theoretical	Collect urine from child patient Barcode and forward the patient material to laboratory

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	7	1	1	14
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	1. Arrange pre and post laboratory processes related to patient material
2	2. Provide the work place organization
3	3. Make sure that the patient gets his/her own material
4	4. Make sure that the personel get the patient's material
5	Make safety organizations in laboratory

### 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 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	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P7	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
P13	5	5	5	5	5
P14	5	5	5	5	5
P15	5	5	5	5	5

