



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

Course Title	Medical Parasitology								
Course Code	TL208	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To be able to prepare preparations from stool, blood and other body liquids and make examinations of parasites.								
Course Content	Make microscopic examination of stool, Prepare stool preparations with direct methods, Prepare stool preparations with precipitation method, Prepare stool preparations with floating method, Paint stool preparation, Prepare blood preparation with thickdrop method, Prepare blood preparation with thin separation method, Prepare preparations from urine and other body liquids with direct examination method, Prepare painted preparations from mucus and brain – cord liquids with direct examination method.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Genel Parazitoloji. Güldame Saygi, 1999
2	Parazitolojide Laboratuvar, Ed. M. Korkmaz, Ü.Z. Ok, 2010

Week	Weekly Detailed Course Contents	
1	Theoretical	Make microscopic examination of stool
2	Theoretical	Prepare stool preparations with direct methods
3	Theoretical	Prepare stool preparations with direct methods
4	Theoretical	Prepare stool preparations with precipitation method
5	Theoretical	Prepare stool preparations with floating method
6	Theoretical	Prepare stool preparations with floating method
7	Intermediate Exam	Midterm exam
8	Theoretical	Paint stool preparation
9	Theoretical	Prepare blood preparation with thick drop method
10	Theoretical	Prepare blood preparation with thick drop method
11	Theoretical	Prepare blood preparation with thin separation method
12	Theoretical	Prepare blood preparation with thin separation method
13	Theoretical	Prepare preparations from urine and other body liquids with direct examination method
14	Theoretical	Prepare painted preparations from mucus and braincord liquids with direct examination method
15	Theoretical	Prepare painted preparations from mucus and braincord liquids with direct examination method

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	2	2	56
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Describe sources of parasites and routes of transmission
2	Describe and practice the diagnostic methods of parasitic diseases
3	Describe basic parasitological terminology like parasite, parasitism, parasitology, infection, infestation and symbiosis
4	Learn the taxonomy and classification of medically important parasites
5	Learn the importance of parasitic diseases

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
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	4	4	4	4	4
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	4	4	4	4	4
P11	4	4	4	4	4
P12	3	3	3	3	3
P13	5	5	5	5	5
P14	3	3	3	3	3
P15	5	5	5	5	5
P18	5	5	5	5	5

