



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

Course Title	Mycology								
Course Code	TL001	Course Level			Short Cycle (Associate's Degree)				
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To give information about fungi cell structure, genetics, physiology, reproduction, and the properties of growth.								
Course Content	In this lesson students are taught fungal cell structure and characteristics, fungal classification and characteristics of each class, diagnostic methods for fungal infections and their applications, and interpretation of the results through examples.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Sabri Sümer, General Mycology. Nobel academic publishing.
2	Dode Grigoriu, Jean Delacretaz, Medical Mycology.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to mycology and the definition of mycology
2	Theoretical	Classification of fungi
3	Theoretical	Classification of fungi
4	Theoretical	Yeasts
5	Theoretical	Molds
6	Theoretical	Dimorphic-Diphasic fungi
7	Theoretical	Fungal cell structure
8	Intermediate Exam	Mid-term exam
9	Theoretical	Fungal cell structure
10	Theoretical	Asexual reproduction
11	Theoretical	Sexual reproduction
12	Theoretical	The terms of hyphaei pseudohyphae and germ tube
13	Theoretical	Media and their properties
14	Theoretical	Fungal culture and interpretation
15	Theoretical	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	14	1	1	28
Midterm Examination	1	1	1	2
Final Examination	1	1	2	3
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Describes general characteristics of fungi .
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2	Knows the fungi that cause disease in humans.
3	Knows the types of fungal diseases in humans.
4	Knows the contamination of fungal diseases and protection.
5	Knows sampling and examination methods in fungal 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	3	3	4	4	5
P2	3	4	4	4	5
P3	3	4	4	4	5
P4	3	3	3	4	5
P5	3	3	3	3	5
P6	3	3	3	3	5
P7	3	3	3	3	5
P8	5	4	5	5	5
P9	5	4	5	5	5
P10	3	3	5	5	5
P11	3	3	4	3	5
P12	3	3	3	3	5
P13	3	3	3	3	5
P14	3	3	3	3	5
P15	3	3	3	3	5
P16	3	3	4	5	5
P17	5	5	5	5	5
P18	5	5	5	5	5

