

Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
<b>Mycology</b>	<b>MIK 504</b>	<b>2. Semester</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>6</b>
<b>Prerequisites</b>	None					
<b>Course Language</b>	Turkish					
<b>Course Type</b>	Compulsory					
<b>Teaching Methods</b>	Lecture, question- answer, demonstration, practice-exercise					
<b>Instructor(s)</b>						
<b>Course Objective</b>	The aim of the course is to gain basic knowledge and skills in the field of medical mycology.					
<b>Course Learning Outcomes</b>	1- Classifies fungus and learns the general features. 2- To have information about mold and yeast fungus in human. 3- Learns the diagnosis of diseases caused by fungi.					
<b>References</b>	1- Larone's Medically Important Fungi: A Guide to Identification (6th Edition). Randall T. Hayden, Thomas J. Walsh (M.D.), Davise Honig Larone. ASM Books, 2018. 2- Medical Microbiology (8th edition). Murray PR, Rosenthal KS, Pfaffer PA., 2016.					

## WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Classification of Fungi
2.	Structure of The Fungal Cell
3.	Fungal Metabolism
4.	Fungus-Host Relationship
5.	Virulence Factors of Fungi
6.	Mycotoxins
7.	Superficial and Cutaneous Mycoses
8.	<b>Midterm exam</b>
9.	Subcutaneous Mycoses
10.	Systemic Mycoses Caused by Dimorphic Fungi
11.	Opportunistic Mycoses
12.	Opportunistic Mycoses
13.	Laboratory Diagnosis of Fungal Infections
14.	Antifungals
15.	<b>Final Exam</b>

## ECTS / WORK LOAD TABLE

Activities	Number	Duration	Total Work Load
Course	14	2	28
Laboratory			
Practice	14	2	28
Field Study			
Outclass course work hours ( Self working / Teamwork / Preliminary work)	14	4	56
Presentations (Video preparation / Poster preparation / Oral presentation / Focus group discussion / Applying questionnaire/ Observation and report writing)	4	6	24
Seminars			
Project			
Case study			
Role playing, dramatization			
Preparing and criticizing article			
Semester midterm exams	1	7	7
Semester final exams	1	10	10
<b>Total Work Load ( hour) / 25(s)</b>	<b>153/25</b>		
<b>ECTS</b>	<b>6</b>		

## EVALUATION SYSTEM

<b>Midterm Studies</b>	<b>Number</b>	<b>Contribution</b>
Midterm exam	1	%30
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment		
Presentation and seminar	4	%20
Projects		
Other evaluation methods		
<b>Total of Midterm Studies</b>		<b>%50</b>
<b>Final Studies</b>		
Final	1	%50
Homework assignment		
Practice		
Laboratory		
<b>Total of Final Studies</b>		<b>%50</b>
Contribution of midterm studies to course grade		%50
Contribution of final studies to course grade		%50
<b>Total Grade</b>		<b>100</b>

## RELATIONSHIPS BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM QUALIFICATIONS

	Program Qualifications	Learning Outcomes		
		LO1	LO2	LO3
1.	Gains scientific knowledge and skills at the level of expertise in the field of medical microbiology.	5	5	5
2.	Uses the research resources adequately to reach scientific knowledge.	5	5	5
3.	Reaches new information in the field of medical microbiology and synthesizes the information obtained from different sources and evaluates it from a scientific point of view.	5	5	5
4.	Gains awareness about the ethics of scientific work and fulfills ethical responsibilities.	2	2	3
5.	Learns and applies the basic principles of research methods.	3	3	5
6.	Describes the morphological and physiological characteristics of microorganisms.	5	5	5
7.	Works in the laboratory in accordance with biosafety rules.	3	3	5
8.	Have knowledge about the devices and tools that are specific to the field and use them.	3	3	4
9.	Learns and applies laboratory techniques used in the field of medical microbiology.	4	4	4
10.	Knows and applies the basic methods for microbiological examination.	4	4	5
11.	Conducts studies related to the field individually or in a team. Performs the tasks given in scientific studies.	5	5	5
12.	Plans and conducts scientific research by using the knowledge learned in the field of medical microbiology, analyzes and evaluates the results.	5	5	5
13.	Gains the ability to present the information obtained or information related to his / her studies orally and visually.	5	5	5
14.	Follows scientific developments and current studies.	5	5	5
15.	Gains the ability of lifelong learning.	5	5	5

**Contribution to the level of proficiency: 1: Low 2: Low/Moderate 3: Moderate 4: High 5: Excellent**