

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

MEDICAL MICROBIOLOGY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
MEDICAL MICROBIOLOGY	ISM3015447	Yearly	48+10	0	6
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Committee Course				
Course Coordinator					
Name of Lecturer(s)	Prof.Dr. Mesut YILMAZ, Assist.Prof. Özlem GÜVEN				
Assistant(s)					
Aim	The aim of this course is to understand that the specificities and infections of microorganisms caused of diseases, and host and microorganisms interactions, symptoms, lab results, prevention and cure methods.				
Course Content	This course contains; Introduction to the Viruses,The DNA VirusesThat Infect Humans 1-2-3-4,Hepatitis Viruses,the RNA Viruses that infect humans,Introduction to mycology,Superficial mycoses,Cutenous mycoses ,Subcutenous mycoses,Endemic mycoses ,Opportunistic mycoses ,Microbiology of Respiratory and circulatory system infections 1-2,Gastrointestinal system pathogens 1-2,protozoa infections ,Helminths ,Arthropods and infestations 1-2,LAB-parasites ,Microbiology-CNS infectious agents,Musculoskeletal Infection Factors.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.Describes that the medically important bacteria and bacterial infections, and fungus in frequently diagnosed parasitic and fungal infections, and viral infections, 2. Can Recognize and distinguish parasites 3. Can discuss medically important viruses 4. Can Perform diagnostic and identification tests and evaluate them in the laboratory, 5. Can perform the methods of the chemotherapy, sterilization and desinfection.			13, 17, 37, 9	A, D	
Teaching Methods	13: Case Study Method, 17: Experimental Technique, 37: Computer-Internet Supported Instruction, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, D: Oral Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to the Viruses	none			
2	The DNA VirusesThat Infect Humans 1-2-3-4	none			
3	Hepatitis Viruses	none			
4	the RNA Viruses that infect humans	none			
5	Introduction to mycology	none			
6	Superficial mycoses	none			
7	Cutenous mycoses	none			
8	Subcutenous mycoses	none			
9	Endemic mycoses	none			
10	Opportunistic mycoses	none			
11	Microbiology of Respiratory and circulatory system infections 1-2	none			
12	Gastrointestinal system pathogens 1-2	none			
13	protozoa infections	none			
14	Helminths	none			
15	Arthropods and infestations 1-2	none			
16	LAB-parasites				
16	Microbiology-CNS infectious agents	none			
17	Musculoskeletal Infection Factors	none			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Microbiology: An Introduction (11th Edition), Gerard J. Tortora1. Lippincott® Illustrated Reviews: Microbiology (Lippincott Illustrated Reviews Series) 4th Edition 2. Medical Microbiology, Patrick R. Murray PhD 3. Basic Medical Microbiology, Patrick R. Murray PhD