

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

CLINICAL MICROBIOLOGY (Elective)

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
CLINICAL MICROBIOLOGY (Elective)	ISM4112646	Fall Semester	40+0	0	2
Prerequisites Courses					
Recommended Elective Courses	Medical Pharmacology				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Prof.Dr. Mesut YILMAZ				
Name of Lecturer(s)	Prof.Dr. Mesut YILMAZ, Assoc.Prof. Ayşe İSTANBULLU TOSUN				
Assistant(s)	Prof.Dr. Mesut YILMAZ, Doç.Dr. Ayşe İSTANBULLU TOSUN				
Aim	The aim of this course is to apply the basic microbiology knowledge gained during the first three years in medical practice. In this course, the diagnostic methods and their interpretation for the microbial agents seen in the commonly observed infectious diseases will be discussed in the sample cases. The students will determine the appropriate treatment for each case using the published guidelines. After reading what actually happened in the case, the choices made in the previous discussions will be evaluated. The critical points of the cases will be emphasized by solving multiple-choice questions.				
Course Content	This course contains; Sample acceptance principles, Bacteriology laboratory working principles, Serology laboratory working principles, Tests and principles of molecular laboratory.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
List the sample acceptance criteria in microbiology laboratory.			10, 17	H	
Explains which clinical samples are studied in the bacteriology laboratory.			10, 17	H	
Lists common tests performed in the serology laboratory.			10, 17	H	
List the common tests performed in molecular laboratory.			10, 17	H	
Teaching Methods	10: Discussion Method, 17: Experimental Technique				
Assessment Methods	H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Sample acceptance principles	none			
2	Bacteriology laboratory working principles	none			
3	Serology laboratory working principles	none			
4	Tests and principles of molecular laboratory	none			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases Murray, Patrick R., PhD, F(AAM), F(IDSA) Medical Microbiology