

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**CLINICAL MICROBIOLOGY (Elective)**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
CLINICAL MICROBIOLOGY (Elective)	ISM4212646	Spring Semester	40+0	0	2
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	Medical Pharmacology				
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Prof.Dr. Mesut YILMAZ				
<b>Name of Lecturer(s)</b>	Prof.Dr. Mesut YILMAZ, Assoc.Prof. Ayşe İSTANBULLU TOSUN				
<b>Assistant(s)</b>	Prof.Dr. Mesut YILMAZ, Doç.Dr. Ayşe İSTANBULLU TOSUN				
<b>Aim</b>	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.				
<b>Course Content</b>	This course contains; Sample acceptance principles, Bacteriology laboratory working principles, Serology laboratory working principles, Tests and principles of molecular laboratory.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
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	
<b>Teaching Methods</b>	10: Discussion Method, 17: Experimental Technique				
<b>Assessment Methods</b>	H: Performance Task				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
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			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

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