

Course Title	<b>Antimicrobials and prescribing policies</b>				
Course Code	MD255				
Course Type	Elective				
Level	1 <sup>st</sup> Cycle (MD)				
Year / Semester	2 <sup>nd</sup> Year / 3 <sup>rd</sup> Semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	1 / 14 weeks	Laboratories / week	0/ 14 weeks
Course Purpose and Objectives	The objective of this course is to familiarize students with the classification of antimicrobial medicines, their mode of action, spectrum of activity and pharmacologic properties. In addition, it				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Describe the different types and classes of antimicrobial medicines</li> <li>• Outline the mode of action and spectrum of activity of the different antimicrobials</li> <li>• Define the essentials of antimicrobial prescription and prudent use</li> <li>• Demonstrate understanding of the basic pharmacologic considerations in antimicrobial use</li> <li>• Develop an understanding of the principles of antimicrobial prescribing and antimicrobial stewardship</li> </ul>				
Prerequisites	None		Co-requisites	None	
Course Content	<ul style="list-style-type: none"> <li>• Types and classification of antimicrobials</li> <li>• Modes of action</li> <li>• Spectrum of antimicrobial activity</li> <li>• Pharmacologic considerations and properties</li> <li>• Principles of antimicrobial prescribing and antimicrobial stewardship</li> <li>• Determinants of antimicrobial prescribing</li> </ul>				
Teaching Methodology	<p>Interactive lectures</p> <p>Case discussions</p> <p>Literature reviews</p> <p>Presentations</p>				
Bibliography	<p>Dellit TH, Owens RC, McGowan JE Jr, et al. Infectious Diseases Society of America and the Society for Healthcare Epidemiology of America guidelines for developing an institutional program to enhance</p>				

	<p>antimicrobial stewardship. Clin Infect Dis. 44(2):159-77.CDC. Core Elements of Hospital Antibiotic Stewardship Programs. Atlanta, GA: US Department of Health and Human Services, CDC;</p> <p>Barlam TF, Cosgrove SE, Abbo LM, et al. Implementing an Antibiotic Stewardship Program: Guidelines by the Infectious Diseases Society of America and the Society for Healthcare Epidemiology of America. Clin Infect Dis. 62(10):e51-77;</p> <p>European Centre for Disease Prevention and Control. Proposals for EU guidelines on the prudent use of antimicrobials in humans. Stockholm: ECDC;</p>
Assessment	<p>Examinations: 70%</p> <p>Assignment /lab 20%</p> <p>Class Participation: 10%</p>
Language	English