

Course Title	Introduction to Epidemiology				
Course Code	MD250				
Course Type	Compulsory				
Level	1 st Cycle (MD)				
Year / Semester	2 nd Year / 4 th Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hrs / 14 weeks	Laboratories / week	0 hrs / 14 weeks
Course Purpose and Objectives	This course provides an introduction to the skills needed by public health professionals and clinicians to critically interpret the epidemiologic literature and be taught with an emphasis on causal inference in epidemiologic research.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Demonstrate expertise regarding the principles and applications of epidemiology and research methodology. • Define the epidemiological study designs and the bias, the appropriate disease measures and measures of associations. • Describe criteria for characterizing the causality of associations. • Analyze and compare biomedical studies using quality control scales • Describe and discuss the role and contribution of epidemiology to global health. • Understand the major risk and protective factors for the conditions that constitute the most common causes of mortality and morbidity 				
Prerequisites	None		Co-requisites	None	
Course Content	<ul style="list-style-type: none"> • Basic principles and methods of the design, conduct and interpretation of epidemiologic studies, including descriptive studies, observational analytic studies (case-control and cohort), and randomized clinical trials. • Address the calculation and interpretation of measures of disease frequency and association; the assessment of association versus causation in the interpretation of study results; and an introduction to issues related to the evaluation of chance, bias, confounding, and effect modification. • Genetic epidemiology • Environmental epidemiology 				

	<ul style="list-style-type: none"> • Epidemics and epidemiology of infections • Chronic disease epidemiology (e.g. allergies, cardiovascular disease and cancer) • Epidemiology across the life span and in specific populations 						
Teaching Methodology	Face-to-face						
Bibliography	<p>Epidemiology: An Introduction; Kenneth J. Rothman; 978-0195135541; OUP USA;</p> <p>Epidemiology for Public Health Practice; Friis, Robert H.; 978-0763751616; Jones and Bartlett Publishers</p>						
Assessment	<table> <tr> <td>Examinations:</td> <td>70%</td> </tr> <tr> <td>Assignment/Lab</td> <td>20%</td> </tr> <tr> <td>Class Participation:</td> <td>10%</td> </tr> </table>	Examinations:	70%	Assignment/Lab	20%	Class Participation:	10%
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Language	English						