

Course Title	Internal Medicine I				
Course Code	MD400				
Course Type	Compulsory				
Level	1 st Cycle (MD)				
Year / Semester	4 th Year / 7 th Semester				
Teacher's Name	TBA				
ECTS	12	Lectures / week	6 hrs / 16 weeks	Laboratories / week	8 hrs/ 16 weeks
Course Purpose and Objectives	The objective of the course is to familiarize students with the clinical manifestations, diagnosis, management and prevention of the diseases of the cardiovascular system, respiratory system and nephrology.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Identify the cardiovascular emergencies and respond properly in the acute phase • Identify the most frequent cardiological diseases • Diagnose the most frequent cardiological diseases by: <ul style="list-style-type: none"> - obtaining a focused medical history - physical cardiovascular examination (cardiac auscultation, pulse, blood pressure, assessment of oedema, skeletal deformities, etc.) - evaluate the findings to assess pre-test probability and the suitable tests which would further aid to reach a diagnosis, taking into account cost effectiveness and the latest guidelines - basic interpretation of important cardiological tests: laboratory tests, ECG, echocardiography, stress test, coronary angiography. - assessment of the acquired information to reach a diagnosis • Suggest and manage treatment of the most frequently encountered diseases of the cardiovascular system according to evidence based medicine and latest guidelines. • demonstrate sound knowledge of common pulmonary diseases, their clinical manifestations, including emergent situations and of investigative procedures to confirm their diagnosis. • describe the mode of action of commonly used drugs, their doses, side-effects / toxicity, indications and contraindications and interactions. • demonstrate competence in medical management. 				

	<ul style="list-style-type: none"> • Diagnose the most frequently encountered conditions in nephrology by obtaining a past clinical history and physical examination, indications and interpretation of the basic blood serum and urine analysis related to the renal function and the electrolyte balance including acid/base abnormalities, other clinical laboratory tests, imaging, and anatomopathological test. 		
Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> • Treatment and prevention of the above diseases and conditions • Most frequently encountered pathologies of the respiratory system: <ul style="list-style-type: none"> ○ Respiratory failure ○ Respiratory infections ○ Interstitial lung diseases ○ Obstructive lung diseases ○ Smoking related diseases ○ Lung tumors ○ Pleural pathology ○ Sleep-related breathing disorders ○ Other pathologies that are relevant to the respiratory system • Pulmonary function tests • Spirometry • Radiology of the chest • Preoperative assessment • Most frequently encountered conditions, including methods of diagnosis, management and prevention in nephrology 		
Teaching Methodology	Face-to-face, Lectures, Practical exercises, Quizzes, Case Presentations, simulated patients, Rotations		
Bibliography	Pathophysiology of Heart Disease: A Collaborative Project of Medical Students and Faculty Sixth Edition; Leonard S. Lilly MD; 9781451192759; Wolters Kluwer; ECG Interpretation Made Incredibly Easy; Jessica Coviello; Lippincott Williams & Wilkins; Principles of Pulmonary Medicine, Elsevier - Health Sciences Division. West's Pulmonary Pathophysiology: The essentials, Latest edition, Lippincott Williams and Wilkins. Oxford handbook of respiratory medicine CURRENT Medical Diagnosis and Treatment, by Maxine A. Papadakis, Stephen J. McPhee, Michael W. Rabow		

	Harrison's Principles of Internal Medicine, by J. Larry Jameson, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, Dan L. Longo, Joseph Loscalzo
Assessment	Examinations: 70% Assignment/Lab 20% Class Participation: 10%
Language	English