

Course Title	<b>Pathophysiology II</b>				
Course Code	MD325				
Course Type	Compulsory				
Level	1 <sup>st</sup> Cycle (MD)				
Year / Semester	3rd year/6 <sup>th</sup> semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hrs / 14 weeks	Laboratories / week	3 hrs / 14 weeks
Course Purpose and Objectives	<p>The objective of this course is to enhance the students' knowledge regarding the detailed pathophysiological mechanisms of disease. The course aims at allowing students to progress to more advanced medical courses such as Internal Medicine and the various medical specialties. The course is intended to familiarize students with the pathogenesis of diseases of different bodily systems, such as:</p> <ul style="list-style-type: none"> <li>• Respiratory</li> <li>• Cardiovascular</li> <li>• Kidney and Urinary tract diseases</li> <li>• Acid Base Balance and Electrolyte disorders</li> <li>• Neurological</li> </ul>				
Learning Outcomes	<p>Upon successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Describe the diseases of the upper respiratory tract</li> <li>• Summarize the pathophysiology of cardiac arrhythmias</li> <li>• Discuss the pathophysiology of heart failure (left and right)</li> <li>• Summarize the pathophysiology of coronary artery disease</li> <li>• Describe the basic pathophysiological events in certain congenital anomalies</li> <li>• Discuss the pathophysiology of pulmonary hypertension and pulmonary embolism</li> <li>• Summarize the pathophysiology of myocarditis and cardiomyopathies</li> <li>• Describe diseases of the pericardium</li> <li>• Discuss the pathophysiology of primary and secondary hypertension</li> <li>• Interpret all ECG pathologies</li> <li>• Discuss the Nervous system infection and inflammation (meningitis, Encephalitis, etc.)</li> <li>• Describe the pathophysiology of Hydrocephalus</li> <li>• Discuss the pathophysiology of muscle diseases (myopathies, Myotonias)</li> </ul>				

Prerequisites	None	Co-requisites	None
Course Content	<p>In this regard the students will be familiar with the pathophysiology of:</p> <ul style="list-style-type: none"> <li>• Respiratory disease</li> <li>• Cardiovascular disease</li> <li>• Kidney and Urinary tract diseases</li> <li>• Acid Base Balance and Electrolyte disorders</li> <li>• Neurological disease</li> </ul>		
Teaching Methodology	Face-to-face, Lectures, Practical exercises, Quizzes, Case Presentations, simulated patients		
Bibliography	<p>Kumar and Clark's Clinical medicine, by Parveen Kumar and Michael Clark</p> <p>Pathophysiology, by Ivan Damjanov</p>		
Assessment	Examinations:	70%	
	Assignment/Lab	20%	
	Class Participation:	10%	
Language	English		