

Course Title	Pathophysiology I				
Course Code	MD300				
Course Type	Compulsory				
Level	1 st Cycle (MD)				
Year / Semester	3 rd year/5 th semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hours / 14 weeks	Laboratories / week	3 hours / 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"> • Clinical Immunology • Rheumatology • Hematological diseases • Gastrointestinal diseases - liver, biliary tract and pancreatic diseases • Endocrine disease • Diabetes and other Metabolic disorders 				
Learning Outcomes	<p>Upon successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> • Discuss the cells molecules and substances involved in immune responses • Discuss the pathophysiology of anemia (microcytic, normocytic, macrocytic, aplastic hemolytic) • Describe the pathophysiology of myeloproliferative disorders • Describe the pathophysiology of the spleen and its involvement in hematological disorders • Discuss the pathophysiology of acquired coagulation disorders • Describe the pathophysiology of common regional musculoskeletal problems • Describe the most common diseases of the mouth and the salivary glands • Describe the pathophysiology of the most common diseases of the pharynx and the esophagus • Discuss the pathophysiology of the diseases of the stomach and the duodenum • Summarize the pathophysiologicals of inflammatory bowel disease 				

	<ul style="list-style-type: none"> • Describe the different pathophysiologies of the most common diseases of the colon and rectum • Describe the pathophysiologies of liver, gallbladder and pancreatic disease • Discuss the etiology of endocrine disease 		
Prerequisites	None	Co-requisites	None
Course Content	Rheumatological diseases Clinical Immunology Hematological diseases Gastrointestinal diseases-liver, biliary tract and pancreatic diseases Endocrine diseases Diabetes Mellitus and Lipid Metabolism		
Teaching Methodology	Face-to-face, Lectures, Practical exercises, Quizzes, Case Presentations, simulated patients		
Bibliography	Kumar and Clark's Clinical medicine, by Parveen Kumar and Michael Clark Pathophysiology, by Ivan Damjanov		
Assessment	Examinations:	70%	
	Assignment/Lab	20%	
	Class Participation:	10%	
Language	English		