

Course Title	Pathology I				
Course Code	MD305				
Course Type	Compulsory				
Level	1 st Cycle (MD)				
Year / Semester	3rd Year / 5th Semester				
Teacher's Name	TBA				
ECTS	6	Lectures / week	3 hrs / 14 weeks	Laboratories / week	3 hrs / 14 weeks
Course Purpose and Objectives	<p>This course is intended to familiarize students with pathology, also its broad applications and clinical significance. It is designed to acquaint students with the study of disease in multiple levels (e.g. molecular, etiologic, pathogenetic, morphologic, prognostic) and connect this knowledge with the other disease courses of the medical curriculum that run in parallel (Pathophysiology I, Semiology I, and Pharmacology I). The purpose of this course is to serve as a bridge between basic science and clinical practice and use pathology as a means to understand disease.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe the main ancillary techniques used in pathology • Understand the role of cytopathology in modern patient care • Analyze abnormal tissue patterns connected to disease and compare them with normal histology • Connect the structure and function of selected diseases and interpret their corresponding clinical manifestations • Describe the main ways cells adapt to environmental stress: hypertrophy, hyperplasia, atrophy, and metaplasia • Describe the pathogenetic processes of acute inflammation, chronic inflammation, and tissue repair; also contrast their morphologic differences <p>Apply grading and staging to assess the prognosis of malignant tumors</p> <ul style="list-style-type: none"> • Describe and diagnose the most common bone and soft tissue neoplasms • Describe selected diseases involving the gastrointestinal tract (oral cavity, salivary glands, esophagus, stomach, small intestine, appendix, colon) • Integrate morphologic and clinical knowledge of selected gastrointestinal diseases • Determine the most appropriate management plan for each gastrointestinal cancer 				

	<ul style="list-style-type: none"> • Outline some selected diseases of the liver, gallbladder and the exocrine pancreas and connect their morphologic alterations with specific clinical presentations • Describe the morphology and associated clinical presentation of selected endocrine diseases involving the pituitary gland, thyroid, parathyroid, adrenals, and the endocrine pancreas 		
Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> • Cellular reaction to injury • Inflammation and repair • Neoplasia • Bone and soft tissue neoplasms • Hematologic diseases • Gastrointestinal, liver, and pancreatic diseases • Endocrine diseases 		
Teaching Methodology	Face- to- face		
Bibliography	<p>Wheater's Pathology: A Text, Atlas and Review of Histopathology (Wheater's Histology and Pathology); 978-0702075599; Elsevier; BRS</p> <p>Pathology (Board Review Series); Arthur S. Schneider and Philip A. Szanto; 978-1451115871; LWW;</p> <p>Robbins Basic Pathology; Vinay Kumar, Abul K. Abbas, Jon C. Aster; 978-0323353175; Elsevier;</p>		
Assessment	Examinations:	70%	
	Assignment/Lab	20%	
	Class Participation:	10%	
Language	English		