



Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy

QF02/0408–1.0

Department	Pharmacy
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Course Name	Pathology	Course No.	201333
Prerequisite	201351	Credit Hours	2
Number & date of course plan approval		Brief Description	See form QF02/0409

(Course Objectives)	<ol style="list-style-type: none"> 1. Understand basic tissue reactions to different types of injuries 2. Know the etiology of major diseases 3. Know the pathogenesis (how) of the diseases 4. Describe the morphologic effects produced by the disease 5. Describe the effects of the disease on the function of organs 6. Know the outcome and possible complications of the disease 		
Course Topics	<ol style="list-style-type: none"> 1 Pathophysiology, Introduction To Pathology, 2 Cell Injury, Cell Death, And Adaptations:- 3 Acute And Chronic Inflammation: 4- Hemodynamic Disorders, Thrombosis, And Shock: 5- Neoplasia 6-The Heart: 7- The Lung: 8- The Gastrointestinal Tract: 9- The Kidney And Its Collecting System 10- The Gastrointestinal Tract: 11-The Liver, Gallbladder, And Biliary Tract 		
Text Books	1. Pathophysiology CM Porth; third edition		
References	1. Text book: Robbins Basic Pathology 8E Kumar et. al. Kumar Abbas , Fausto Mitchell SAUNDERS ELSEVIER		
Grade Determination	1 st Exam=25% 2 nd Exam=25% Final Exam= 50%	(Practical Course Grade Determination)	Course Work =50% (Reports, Term Papers, Quizes) Final Exam = 50%



Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
01	1 1	Pathophysiology, Introduction To Pathology, etiology, Pathogenesis, morphology, Clinical manifestations, Diagnosis, Clinical course, Epidemiology.	1. Pathophysiolo gy CM Porth; third edition	
02	1 1	Cell Injury, Cell Death, And Adaptations: Overview of Cellular Responses to Stress And Noxious Stimuli, Cellular Adaptations to Stress, Overview of Cell Injury And Cell Death,	2 CM Porth	
03	1 1	Cell Injury, Cell Death, And Adaptations: Causes Of Cell Injury, The Morphology Of Cell And Tissue Injury, Examples Of Cell Injury And Necrosis, Apoptosis, Intracellular Accumulations, Pathologic Calcification, Cellular Aging. Tissue repair.	2+4 CM Porth	
04	1 1	Acute And Chronic Inflammation: Overview Of Inflammation, Acute Inflammation, Morphologic Patterns of Acute Inflammation,	3 CM Porth	
05	1 1	Acute And Chronic Inflammation: Chronic Inflammation, Systemic Effects of Inflammation. Systemic Effects of Inflammation.	3 CM Porth	
06	1 1	Hemodynamic Disorders, Thrombosis, And Shock: Edema, Hyperemia And Congestion, Hemorrhage, Hemostasis And Thrombosis, Embolism, Infarction, Shock.	8,12 and 13 CM Porth	
07	1 1	The Heart: Heart Failure, Congenital Heart Disease, Ischemic Heart Disease (Ihd), Hypertensive Heart Disease.	19 CM Porth	
08	1 1	The Heart: Valvular Heart Disease, Cardiomyopathies, Pericardial Disease, Cardiac Tumors, Cardiac Transplantation.	19, 20 CM Porth	

09	1 1	The Lung: Acute Lung Injury, Atelectasis 1. Obstructive Versus Restrictive Pulmonary Diseases, Obstructive Pulmonary Disease, Emphysema, Chronic Bronchitis,	21, 22 CM Porth	
10	1 1	The Lung: Asthma, And Chronic bronchiectasis Diffuse Interstitial (Restrictive, Infiltrative) Lung Diseases. Acute Respiratory Distress Syndrome	21, 22 CM Porth	
11	1 1	Endocrine: Hypopituitarism, Hypopituitarism, Hyperpituitarism, Diseases of Posterior Pituitary, Diseases of Thyroid, Gland Hyperthyroidism, Hypoparathyroidism, Hyperparathyroidism, Diseases of Adrenal Gland	31, 32 , 33 CM Porth	
12	1 1	The Gastrointestinal Tract: 1- Esophagus, Anatomic And Motor Disorders, Barrett Esophagus, Esophageal Carcinoma, Varices, Esophagitis 2- Stomach, Gastritis, Gastric Ulceration.	28 CM Porth	
13	1 1	3-Small And Large Intestines, Developmental Anomalies, Vascular Disorders, Colonic Diverticulosis, Bowel Obstruction, .Inflammatory Bowel Disease	29 CM Porth	
14	1 1	, The The Liver, Gallbladder, And Biliary Tract Liver, Disorders Of The Gallbladder And The Extrahepatic Biliary Tracts	30 CM Porth	
15		Neoplasia, Nomenclature, Characteristics Of Benign And Malignant Neoplasms, Clinical Aspects Of Neoplasia	7 CM Porth	
15, 16	1 1 1	The Kidney And Its Collecting System, Clinical Manifestations Of Renal Diseases, Glomerular Diseases, Diseases Affecting Tubules And Interstitium, Cystic Diseases Of The Kidney, Urinary Outflow Obstruction.	27 CM Porth	



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Approved by Dept. Chair		Date of Approval	
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Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	
Office No.	
Extension	
Email	
Office hours	