



Course Specifications

Course Title:	Pathology-II
Course Code:	472 PTH-5
Program:	Bachelor of Medicine, Bachelor of Surgery
Department:	N/A
College:	Medicine
Institution:	Najran University

A. Course Identification

1. Credit hours: 5(3+2)			
2. Course type			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input type="checkbox"/>
	Others (program) <input checked="" type="checkbox"/>		
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	
3. Level/year at which this course is offered: 10 th level / 4 th year			
4. Pre-requisites for this course (if any): Pathology-1			
5. Co-requisites for this course (if any):- None			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	48	44%
2	Blended		
3	E-learning		
4	Distance learning		
5	Other	60	55.6%

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	42
2	Laboratory/Studio	60
3	Others (specify) TBL	6
	Total	108

B. Course Objectives

<p>1. Course Description</p> <p>Pathology is the scientific study of disease: its definition, etiology, epidemiology, pathogenesis, pathological changes, clinical features, investigations and prognosis. This subject is taught to medical students in 2 parts: general pathology and systemic pathology, with special emphasis on pathological changes and pathogenesis that are correlated with the clinical features.</p> <p>The broad goal of the teaching of student systemic Pathology is to provide the students with a comprehensive knowledge of the mechanisms and causes of disease, in order to enable her to achieve complete understanding of the natural history and clinical manifestations of disease. Strategies used to deliver this information to students are: formal lectures, practical and research tasks about certain assigned topics.</p> <p>Students are assessed for the knowledge acquirement by: continuous course assessment (mid-term test, quizzes, assignment), final written exam and final practical exam</p>
<p>2. Course Main Objective</p> <p>At the end of this course, students will be able to</p> <p>a) Understand all major concepts of human diseases and the corresponding terminology</p> <p>b) Classify the diseases based on its etiology.</p>

- c) Learn the typical macroscopic and microscopic findings of all the major human.
d) Diagnose major diseases under microscope.

C. Course Content

No	List of Topics	Contact Hours
1	Pathology of blood vessels:	
	1. Atherosclerosis	1
	2. Hypertension	1
	3. Vasculitis & vascular tumors	1
	4. Practical: Atherosclerosis, vasculitis, hypertensive vascular changes	2
2	Cardiovascular diseases:	
	1. Congenital heart diseases	1
	2. Ischemic heart diseases	1
	3. Rheumatic fever, Rheumatic heart diseases & other causes of Valvular diseases	1
	4. Endocarditis infective and non-infective	1
	5. Cardiomyopathies, Myocarditis	1
	6. Pericardial diseases & cardiac tumors	1
	7. Practical 1: Myocardial infarction, Rheumatic heart diseases, Congenital heart diseases	2
8. Practical 2: Endocarditis, Pericardial diseases., Myocarditis & Cardiomyopathy	2	
3	Respiratory diseases:	
	Lower respiratory tract disorders:	
	1. Acute and chronic: Typical (Pneumonias, tuberculosis)	1
	2. Obstructive airway diseases: Chronic bronchitis, emphysema, & bronchiectasis & asthma	1
	3. Interstitial lung diseases: (Pneumoconiosis, Pulmonary fibrosis, lung granulomas (sarcoidosis, hypersensitivity pneumonitis)	1
	4. Pleural, mediastinal diseases & Pneumothorax, Lung, pleural and mediastinal tumors	1
5. Practical: Infections, obstructive and interstitial lung diseases	2	
6. Practical: Respiratory & mediastinal tumors	2	
4	Gastrointestinal diseases:	
	1. Oral & esophageal disorders	1
	2. Gastritis & Peptic ulcers & Gastric tumors	1
	3. Non neoplastic disorders of the small, large bowel and peritoneal diseases: TBL1	2
	4. Neoplastic disorders of small and large bowel lecture 1	1
	5. Neoplastic disorders of small and large bowel lecture 2	1
	6. Acute abdomen lecture	1
	7. Practical: Slideshow gross pathology of the GIT	2
	8. Practical: GIT Disorders: Microscopy	2
	9. Practical: Intestinal tumors	2
10. Practical Audiovisual session (VIDEOS)	2	
5	Pathology of Liver, biliary system and pancreatic diseases:	
	1. Hepatitis & liver cirrhosis	1
	2. Portal hypertension & liver failure	1
	3. Hepatic tumor and tumor like conditions	1

	4. Biliary and pancreatic disorders 5. Practical: non neoplastic liver diseases 6. Practical: neoplastic liver diseases 7. Practical: liver and pancreatic diseases	1 2 2 2
6	Endocrine system diseases 1. Pituitary & adrenal gland disorders 2. Thyroid disorders & parathyroid gland disorders 3. Pathogenesis of diabetes and long-term complications of other endocrine pancreatic disorders TBL2 4. Practical Endocrine glands disorders: Audiovisual session 5. Practical Thyroid & parathyroid gland diseases 6. Practical: Adrenal gland disorders	1 1 2 2 2 2
7	Female and male genital tract : 1. External Genitalia, Vagina, Cervix disorders 2. Uterine, fallopian tube disorders and Placental disorders 3. Ovarian disorders TBL3 4. Prostatic and testicular disorder 5. Practical: Slide show placental abnormalities 6. Practical: Cervical, uterine & ovarian tumors 7. Practical: Male genital tract disorders	1 1 2 1 2 2 2
8	Breast pathology 1. Non neoplastic AND neoplastic breast diseases 2. Practical: Non neoplastic disorders 3. Practical: Neoplastic disorders	1 2 2
9	Kidney and lower urinary system 1. Congenital kidney malformations and glomerular disorders 2. Tubulointerstitial kidney diseases (obstructive uropathy, nephritis, papillary necrosis)+renal tumors 3. Disorders of the lower urinary tract (congenital, ureteric disorders, cystitis, reflux, fistula, bladder tumors, urethral disorders) 4. Renal failure 5. Practical Glomerular & tubulo- interstitial disorders 6. Practical: Lower urinary tract disorders 7. Practical: Tumors of upper and lower urinary tract	1 1 1 1 2 2 2
10	Musculoskeletal system diseases 1. Bone: congenital and metabolic bone disorders 2. Bone tumors & Soft tissue tumors 3. Joint & Muscles (arthritis, myopathies (Neurogenic & Toxic), joint and muscular tumors 4. Practical: Soft tissue tumors 5. Practical: Bone and joint disorders	1 1 1 2 2
11	Nervous system diseases: 1. Congenital & Cerebrovascular diseases (hypoxia. Ischemia, hemorrhages, aneurysms, malformations, traumas) 2. Demyelinating and degenerative diseases 3. Brain tumors 4. Peripheral nervous system diseases 5. Practical 1 Disorders of the nervous system 6. Practical 2: Disorders of the nervous system	1 1 1 1 2 2
12	Skin pathology: 1. Inflammatory dermatosis and blistering diseases	1

	2. Benign and malignant skin tumors	1
	3. Practical: skin disorders slide show	2
	4. Practical microscopy:	2
13	1. ENT pathology	1
	2. PRACTICAL: microscopy	2
Total		108

D. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
3.	Midterm written & practical exam	6 th week	25%
4.	Assignment	2 nd , 9 th	3%
5.	TBL iRAT & gRAT	3 rd , 5 th , 9 th	9%
6.	Practical logbook	All practical sessions	3%
7.	Final written exam	12 th -13 th (Exam week)	40%
8.	OSPE	12 th -13 th (Exam weeks)	20%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Robbins & Cortan Basic pathology 9 th edition Willy
Essential References Materials	Robbins pathological basic of diseases 7 th edition Ackerman and Rosai surgical pathology Lippincott lecture note of pathology Israel general pathology
Electronic Materials	Webpathology: Uta university Pathmax Robbin's pathology lectures
Other Learning Materials	Atlas of anatomical surgery (CD)

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Class room for 30 students, practical lab with 30 microscopes & 30 lab seats,
Technology Resources (AV, data show, Smart Board, software, etc.)	Computer system in the class room and lab, data show, net connection in both
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	30 microscopes and 30 pathology slide boxes

F. Specification Approval Data

Council / Committee	PATHOLOGY DEPARTEMNT
Reference No.	2/3/44
Date	07/03/1444

course coordinator

Dr sumiah



PATHOLOGY DEPARTEMNT HEAD

Dr. Soliman Alsaiari

