



Course Specification

(Bachelor)

Course Title: Pathology-2

Course Code: PATH 390

Program: Pharmaceutical Sciences

Department: Clinical Pharmacy

College: Pharmacy

Institution: Najran University

Version: 1

Last Revision Date: 1/8/2024

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A. General information about the course:

1. Course Identification

1. Credit hours: (3)

(2+1)

2. Course type

A.	<input type="checkbox"/> University	<input type="checkbox"/> College	<input type="checkbox"/> Department	<input type="checkbox"/> Track	<input checked="" type="checkbox"/> Others (Program)
B.	<input checked="" type="checkbox"/> Required		<input type="checkbox"/> Elective		

3. Level/year at which this course is offered: (Level 6th / 3rd Year)

4. Course general Description:

This course deals with the pathology of major diseases of the endocrine, musculoskeletal, and nervous systems and common eye disease. It is designed to introduce pharmacy students to pathology by covering the basic pathology, including endocrine disorders, CNS disorders, kidney disease, GIT disorders, Cancer, kidney disorders, and eye-related problems.

5. Pre-requirements for this course (if any):

PATH 389

6. Co-requisites for this course (if any):

None

7. Course Main Objective(s):

By the end of the course, students should be able to demonstrate knowledge of:

- 1) Basic pathology of the diseases of major organs (nervous, hormonal systems, basics of oncology, and blood disorders)
- 2) The link the pathology of these disorders with the clinical manifestations.
- 3) Endocrine, respiratory, hematological, endocrine, musculoskeletal, gastrointestinal disorders and eye related problems.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100
2	E-learning		
3	Hybrid		





No	Mode of Instruction	Contact Hours	Percentage
	<ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Demonstrate the common terms of pathology that enables students to understand common diseases.	K1	Lectures. Group Discussion.	Written exam. Assignment. Practical exam.
2.0	Skills			
2.1	Integrate clinical sciences with information from different resources to provide accurate recommendations for complex problems.	S1	Lectures. Group Discussion.	Written exam. Assignment. Practical exam.
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate a professional attitude, and proper judgment in relevant practice settings	V1	Problem-based learning. Lecture/Tutorial	Observation card. Assignment. Practical exam. Presentation.



C. Course Content

No	List of Topics	Contact Hours
Theoretical		
1.	Introduction to pathology 2.	1
2.	Diseases of the G.I. system	5
3.	Diseases of liver, gall bladder, and biliary ducts	3
4.	Diseases of the pancreas (including diabetes mellitus	2
5.	Diseases of kidney and lower urinary tract	3
6.	Diseases of the respiratory system	3
7.	Diseases of glands-thymus, pituitary, thyroid, and parathyroid, adrenals, parotid	3
8.	Diseases of the skin and soft tissue	2
9.	Diseases of the Musculo-skeletal system	2
10.	Diseases of blood vessels and lymphatic	3
11.	Diseases of the nervous system	3
Total		30
No	List of Topics	Contact Hours
Practical		
12.	Introduction to pathology 2.	1
13.	Diseases of the G.I. system	5
14.	Diseases of liver, gall bladder, and biliary ducts	3
15.	Diseases of the pancreas (including diabetes mellitus	2
16.	Diseases of kidney and lower urinary tract	3
17.	Diseases of the respiratory system	3
18.	Diseases of glands-thymus, pituitary, thyroid, and parathyroid, adrenals, parotid	3
19.	Diseases of the skin and soft tissue	2
20.	Diseases of the Musculo-skeletal system	2
21.	Diseases of blood vessels and lymphatic	3
22.	Diseases of the nervous system	3
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm exam	6-7 th	20%
2.	Quizzes	Continuous evaluation	15%
3.	Assignments	Continuous evaluation	10%



No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
4.	Observation card	Continuous evaluation	5%
5.	Final practical exam	14-15	10%
6.	Final exam	16-17 th	40%
7.	Total		100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Pathophysiology of Disease: An Introduction to Clinical Medicine, 8e Gary D. Hammer, Stephen J. McPhee
Supportive References	Harrison's Principles of Internal Medicine, 21e Joseph Loscalzo, Anthony Fauci, Dennis Kasper, Stephen Hauser, Dan Longo, J. Larry Jameson
Electronic Materials	https://login.nu.edu.sa/cas/login?service=http://lib.nu.edu.sa/digitallibrary.aspx
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A Lecture room containing at least 30 seats
Technology equipment (projector, smart board, software)	Computer lab Internet access
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	• Head of the department Students	• Direct Questionnaires (indirect)
Effectiveness of Students assessment	• Head of the department • Peer reviewer students	• Direct • Indirect Questionnaires (indirect)
Quality of learning resources	• Faculty member Student	• Indirect Indirect

Assessment Areas/Issues	Assessor	Assessment Methods
The extent to which CLOs have been achieved	Faculty member	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	CLINICAL PHARMACY DEPARTMENT COUNCIL
REFERENCE NO.	14460214-1057-00001
DATE	20/8/2024

