كلية الرؤية – الرياض
Vision College - Riyadh

كليات الرؤية
VISION COLLEGES

Course Specification
Student Version

Course Title:	PATHOPHYSIOLOGY
Course Code:	NURS 211
Department:	Basic Medical sciences
Program:	Bachelor of General Nursing
College:	Vision College in Riyadh
Institution:	Vision College in Riyadh
Revised:	July 2025

A. Course Identification

1. Credit hours: 3 (2+1+0)
2. Level/year at which this course is offered: Level 4/Year 2
3. Pre-requisites for this course (if any): ANAT 101
4. Co-requisites for this course (if any): None

B. Teaching Methods

1	Interactive lectures
2	Practical sessions

C. Course Description and Main objective

1. Course Description

This course introduces the student to the principles and processes of pathophysiology and its effect on human systems. It reviews the most recent theories in pathophysiology, current trends in diagnosis and treatment and their nursing implications.

2. Course Main Objective

This course introduces the student to the principles and processes of pathophysiology and its effect on human systems. It emphasizes the most recent theories in pathophysiology, current trends in diagnosis and treatment, and their nursing implications.

3. Course Objectives

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

- Determine basic human physiological needs.
- Determine and discuss normal and abnormal biochemical and physiological function of the human body.
- Describe pathophysiological alterations, signs and symptoms of common diseases across the lifespan.
- Identify appropriate nursing care plans and management for patients undergoing pharmacological treatments and interventions for specific diseases.
- Apply systematic approach to evaluate nursing problem using clinical reasoning, and evidence-based practices.
- Implement creative thinking techniques to solve problems in practice.
- Determine personal capabilities, self-limitations, and areas for improvement in knowledge and skills.

D. Course Content

No.	List of Topics
1	Introduction to Pathophysiology (4 hours)
2	Cell injury (4 hours)
3	Inflammation (4 hours)
4	Tissue Repair (4 hours)

5	Neoplasia (4 hours)
6	Immunopathology (4 hours)
7	Infectious disease (4 hours)
8	Cardiovascular system (4 hours)
9	Respiratory system (4 hours)
10	Gastrointestinal system (4 hours)
11	Endocrine system (4 hours)
12	Skin (4 hours)
13	CNS (4 hours)
14	Hematology (4 hours)
15	Urinary system (4 hours)

E. Assessment tools

#	Assessment task	Percentage of Total Assessment Score
1	Quiz	10%
2	Assignment evaluation	10%
5	Midterm Exam	20%
6	Final Practical Exam	20%
7	Final Written Exam	40%
	Total	**100%**

F. Learning Resources

Required Textbooks	**Gould, B. E., & Dyer, R. M. (2011). Pathophysiology for health professions. AUNDERS/Elsevier.4 Edition Fundamental of Applied Pathophysiology (2017) An Essential Guide for Nursing and Healthcare Students Ian Peate**
Essential Reference Material	**Bryant, B & Knights, K 2010, Pharmacology for health professionals, 3 Edition, Mosby, Sydney. McCance K & Huether S. 2010, Pathophysiology: the biologic basis for disease in adults and children, 6 Edition, Elsevier Mosby, St Louis. Porth's essentials of pathophysiology 5th Edition (2019)**
Electronic Material	**http://accessmedicine.com/resourceTOC.aspx http: llconnection.LWW.com/go/Smeltzer**