COURSE DESCRIPTIONS

Faculty	Pharmacy				
Department	Respiratory Therapy and Critical Care			**NQF level**	
Course Title	General Pharmacology	**Code**	904216	**Prerequisite**	
Credit Hours	3	**Theory**	3	**Practical**	-
Course Leader	Dr. Abrar Aleikish	**email**	A.ALeikish@jadara.edu.jo		
Lecturers	Dr. Abrar Aleikish	**emails**	A.ALeikish@jadara.edu.jo		
Lecture time	10:00-11:30	**Classroom**		**Attendance**	Fulltime
Semester	Second	**Production**	2023/2024	**Updated**	
Type of Teaching	☐ Face to Face	√☐ Blended		☐ Online	

Short Description

Course Objectives
This course focuses on the basic drug classification, concepts, and principles of pharmacology with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy through the use of the nursing process. Nursing implications relative to the utilization of drug therapy are examined. Dosage calculations are evaluated for competency.

Course Intended Learning Outcomes (CILOs)
A. Knowledge - Theoretical Understanding
a1. Define basic pharmacological terminology. a2. Describe major classifications of drugs used in the current treatment of disease.
B. Knowledge - Practical Application
a3. Recognize significant adverse drug reactions, drug-drug, and drug-nutrient interactions.
C. Skills - Generic Problem Solving and Analytical Skills
b1. Apply general concepts of pharmacokinetic and pharmacodynamic processes and their application in drug therapy and the nursing process
D. Skills - Communication, ICT, and Numeracy
b2. Demonstrate competency in performing clinical drug and dosage calculations b3. Provide appropriate patient teaching, through case studies, regarding drug therapy that reflects rural access, developmental stage, age, culture, and spirituality.
E. Competence: Autonomy, Responsibility, and Context
c1. Describe strategies employed for patient safety during the preparation and administration of medications.

Teaching and Learning Methods			
☐ Face to Face Lectures	☐ Brain Storming	☐ Synchronous remote	☐ Asynchronous remote
☐ Using Video	☐ Discussions	☐ Research Project	☐ Case Study
☐ Field visit	☐ Problem solving		
Assessment Methods			
☐ Formative Assessment	√☐ Quiz	☐ Lab Exam	√☐ Homework
☐ Project Assessment	√☐ Oral Presentation	√☐ Midterm	√☐ Final Exam

Course Contents					
Week	**Hours**	**CILOs**	**Topics**	**Teaching & Learning Methods**	**Assessment Methods**
1.			Introduction to Pharmacology		Chp
2.			Antibiotics		
3.			Antibiotics		
4.			Antifungal and antiviral Drugs		
5.			Antihistamines		
6.			Midterm exam		
7.			Drugs Used in Diabetes Mellitus		
8.			Drugs Used in Asthma		
9.			Drugs affecting the GI system		
10.			Drugs Affecting the Central Nervous System		
11.			Drugs Affecting the Cardiovascular System		

Infrastructure	
Textbook	**Lippincott Illustrated Reviews: Pharmacology, 7th Edition**
References	**Pharmacology for Nurses: A pathophysiology Approach. 7th edition 2024 Adams and others**
Required reading	
Electronic materials	
Other	

Course Assessment Plan					
Assessment Method	**Grade**	**CILOs**			
First (Midterm)	30				
Second (if applicable)					
Final Exam	40				
Coursework	30				

Coursework assessment methods						
	Assignments					
	Case study	10				
	Discussion and interaction	10				
	Group work activities					
	Lab tests and assignments					
	Presentations	10				
	Quizzes					
Total						

Plagiarism
Plagiarism is claiming that someone else's work is your own. The department has a strict policy regarding plagiarism and, if plagiarism is indeed discovered, this policy will be applied. Note that punishments apply also to anyone assisting another to commit plagiarism (for example by knowingly allowing someone to copy your code).   Plagiarism is different from group work in which a number of individuals share ideas on how to carry out the coursework. You are strongly encouraged to work in small groups, and you will certainly not be penalized for doing so. This means that you may work together on the program. What is important is that you have a full understanding of all aspects of the completed program. In order to allow proper assessment that this is indeed the case, you must adhere strictly to the course work requirements as outlined above and detailed in the coursework problem description. These requirements are in place to encourage individual understanding, facilitate individual assessment, and deter plagiarism.