

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program and Course Description Guide

Course Description Form

1.	2. Course Name: Nursing pharmacology	
3.	4. Course Code:	
5.	6. Semester / Year: second, second	
7.	8. Description Preparation Date: 24/2/2024	
9.	10. Available Attendance Forms: attendance	
11.	12. Number of Credit Hours (30) / Number of Units (2)	
13.	14. Dr. Amer Mohammed Ghabish	
	Name: Dr. Amer Mohammed Ghabish Email: amergebish@alsafwa.edu.iq	
15.	16. Course Objectives	
1.	2. Understand the fundamental principles of pharmacology, including pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. 3. Describe the mechanisms of action, indications, contraindications, and adverse effects of commonly used medications across different drug classes. 4. Demonstrate proficiency in dosage calculations, medication administration techniques, and medication reconciliation processes. 5. Identify the legal and ethical responsibilities of nurses related to medication administration, including the importance of accurate documentation and patient education. 6. Develop critical thinking skills to assess patient needs, evaluate medication orders, and anticipate potential drug interactions or adverse reactions.	
17.	18. Teaching and Learning Strategies	
	Strategy	1. Lectures 2. Active Learning. 3. Technology Integration 4. Collaborative Learning 5. Reflection and Feedback.

19.	20. Course Structure				
	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understand fundamental pharmacology principles	Introduction Pharmacology	Lecture, Discussion	Quiz
2	2	Describe pharmacokinetics and pharmacodynamics	Pharmacokinetics Pharmacodynamics	Lecture, Case Studies	Written Assignment
3	2	Identify major drug classes and their mechanisms of action	Drug Classification Mechanisms of Action	Lecture, Group Activities	Presentation
4	2	Discuss indications, contraindications, and adverse effects of medications	Medication Indications and Adverse Effects	Lecture, Case Studies	Quiz
5	2	Demonstrate dosage calculation medication administration techniques	Dosage Calculation Medication Administration	Skills Demonstration	Practical Exam
6	2	Understand legal and ethical responsibilities in medication administration	Legal and Ethical Considerations Pharmacology	Lecture, Role Playing	Written Reflection
7	2	Analyze cultural and socioeconomic factors affecting medication therapy	Cultural Considerations in Pharmacology	Lecture, Group Discussion	Research Paper
8	2	Apply evidence-based practice guidelines for medication management	Evidence-Based Pharmacotherapy	Lecture, Case Studies	Case Analysis
9	2	Collaborate effectively with healthcare team members in medication management	Interdisciplinary Collaboration Pharmacology	Lecture, Group Projects	Presentation
10	2	Utilize technology for medication information management	Technology Pharmacology	Lecture, Hands-on Practice	Technology Assessment
11	2	Reflect on personal attitudes and values in medication administration	Self-Reflection Pharmacology Practice	Reflective Exercises, Discussion	Written Reflection
12	2	Review and synthesis of course content	Pharmacology Review and Synthesis	Lecture, Review	Final Exam

		content		Sessions	
13	2	Understand fundamental pharmacology principles	Introduction Pharmacology	Lecture, Discussion	Quiz
14	2	Describe pharmacokinetics and pharmacodynamics	Pharmacokinetics Pharmacodynamics	Lecture, Case Studies	Written Assignment
15	2	Identify major drug classes and their mechanisms of action	Drug Classification Mechanisms of Action	Lecture, Group Activities	Presentation

21. 22. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

23. 24. Learning and Teaching Resources

	Required textbooks (curricular books, if any)	1. Pharmacology for Nurses: A Pathophysiologic Approach" by Michael P. Adams, Norman Holland, and Carol Urban: This textbook provides a comprehensive overview of pharmacology concepts from a pathophysiologic approach, making it relevant and understandable for nursing students.
	Main references (sources)	Nursing Drug Handbook" by Lippincott Williams & Wilkins: Another valuable drug reference guide, this handbook offers quick access to essential drug information, including dosage calculations, administration guidelines, and patient safety considerations.
	Recommended books and references (scientific journals, reports...)	Pharmacology: A Patient-Centered Nursing Process Approach" by Linda E. McCuisin, Kathleen DiMaggio, Mary Beth Winton. This textbook focuses on the patient-centered nursing process approach to pharmacology, emphasizing holistic care and nursing interventions.
	Electronic References, Websites	https://search/Electronic-References-Websites-fGgYtgawSxeaL1ThOsDgA

