

1.Course Name:					
Pharmacology II					
2.Course Code:					
WNR-22-04					
3.Semester / Year:					
Second Stage/Second Semester					
4.Description Preparation Date:					
5/1/2025					
5.Available Attendance Forms:					
In-person lectures					
6.Number of Credit Hours (Total) / Number of Units (Total)					
2 Theoretical . Number of Credits (2)					
7.Course administrator					
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8.Course Objectives					
<ul style="list-style-type: none"> • Understanding fundamental pharmacology principles. • Knowing medications and their uses. • Defining basic pharmacological terms and explaining the classification and mechanism of action of various drugs. • Applying pharmacological knowledge in nursing practice. • Applying pharmacological principles in assessing a patient's condition before, during, and after medication administration. • Improving the student's ability to provide health education to patients about the medications they are taking. • Developing a sense of professional responsibility and demonstrating commitment and accuracy in preparing and administering medications to patients. • Cultivating empathy and concern for patients' needs, showing understanding of their condition, and alleviating their medication-related fears. • Promoting ethical and professional conduct and adhering to ethical principles regarding patient information confidentiality and rights. • Demonstrating integrity and honesty in handling medications and their records. 					
9.Teaching and Learning Strategies					
Strategy		<ul style="list-style-type: none"> - Theoretical lectures. - Discussions. - Reports. 			
10.Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theory	1. Knowledge: Classification of analgesics (pain relievers)	Non opioid analgesics drugs	-Lectures. - seminars..	Quizzes, students' participation in the lecture,

2	2 theory	2. Knowledge: Clinical uses of analgesics (pain relievers) 3. Understanding: Side effects and drug	Opioid analgesics drugs	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
3	2 theory	1. Listing and classifying the main categories of antibiotics based on their mechanism of action (such as cell wall synthesis inhibitors). Explaining the mechanism of action of each category of antibiotics. 2. Distinguishing between broad-spectrum and narrow-spectrum antibiotics. 3. Comparing the different pharmacokinetic properties of antibiotics within the same category (such as absorption, distribution, metabolism, excretion). 4. Knowledge of the clinical uses and side effects of antibiotics.	Introduction to antibiotics	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
4	2 theory		Antibiotics I	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
5	2 theory		Antibiotics II	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
6	2 theory	1. understanding: Classification and mechanism of action of the main diuretics.	Diuretics I	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
7	2 theory	2. Identifying: The significant side effects and complications of diuretics and applying appropriate nursing	Diuretics II	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
8	2 theory	1. Understanding: Classification and mechanism of action of antihyperglycemic drugs. Identifying the significant side effects and complications of antihyperglycemic drugs and applying appropriate nursing interventions. 2. Determining the clinical uses and therapeutic indications of	Hypoglycemic drugs	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
9	2 theory			-Lectures. - seminars..	Quizzes, students' participation in the lecture,
10	2 theory	1. Understanding: Classification and mechanism of action of antidepressant and anti-anxiety.	Antidepressants I	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
11	2 theory	2. Identifying the significant side effects and complications of antidepressant and anti-anxiety medications and applying appropriate nursing interventions. 3. Determining the clinical uses and therapeutic indications of antidepressant and anti-anxiety medications.	Antidepressants II	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
12	2 theory	1. The nurse should be able to identify and classify the different types of anesthesia (general, local, regional).	Anesthesia drugs I	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
13	2 theory	2. The nurse should be able to know the clinical uses and therapeutic indications	Anesthesia drugs II	-Lectures. - seminars..	Quizzes, students' participation in the lecture,

14	2 theory	of different anesthetic drugs in various surgical and diagnostic procedures.	Nursing role in anesthesia	-Lectures. - seminars..	Quizzes, students' participation in the lecture,
15	2 theory	3. The nurse should understand the principles of safe administration of anesthetic drugs, including dosages, routes of administration, and potential drug interactions with other medications the patient is taking. 4. The nurse should be able to assess the patient's condition before, during, and after anesthesia, accurately document	Adjacent drugs of anesthesia	-Lectures. - seminars..	Quizzes, students' participation in the lecture,

11.Course Evaluation

Evaluation				Score standard
Formative		Summative		-Excellent (90-100) -Very Good (80-less than 90) -Good (70-less than 80) -Fair (60-less than 70) -Acceptable (50-less than 60) - Fail (less than 50)
Scores	Evaluation methods	Scores	Evaluation methods	
10%	Daily Quizzes	5%	First-Mid-term theoretical exam	
5%	Seminars	5%	Second-midterm exam	
5%	Reports			
		70%	Final theoretical exam	
20%		80%		

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	- Davis's Drug Guide for Nurses Nineteenth Edition by April Hazard Vallerand PhD RN FAAN (Author), Cynthia A. Sanoski BS PharmD BCPS FCCP
Main references (sources)	Nursing2025-2026 Drug Handbook (Nursing Drug Handbooks) Forty-Fifth, North American Edition
Recommended books and references (scientific journals,	2025 Lippincott Pocket Drug Guide for Nurses Thirteenth, North American Edition
Electronic References Websites	- https://www.nhs.uk/medicines/ - https://www.drugs.com/drug_information.html