

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Pharmacology
Course number	NURS2302
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - 1.	Define basic pharmacological terminology.
2 - 2.	Apply general concepts of pharmacokinetic and pharmacodynamic processes and their application in drug therapy and the nursing process
3 - 3.	Recognize significant adverse drug reactions, drug-drug, and drug-nutrient interactions.
4 - 4.	Describe major classifications of drugs used in treatment of disease.
5 - 5.	Applying proper practice for the professional nurse as related to the medication administration process.
6 - 6.	Develop the necessary skills to provide patient education regarding drug therapy.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Define basic pharmacological terminology. * Recognize significant adverse drug reactions, drug-drug, and drug-nutrient interactions. * Describe major classifications of drugs used in treatment of disease.
Intellectual Skills	<ul style="list-style-type: none"> * Demonstrate awareness of various nursing responsibilities before, during, and after drug administration * Describe strategies employed for patient safety during the preparation and administration of medications.
Professional Skills	<ul style="list-style-type: none"> * Apply general concepts of pharmacokinetic and pharmacodynamics processes and their application in drug therapy and the nursing process. * Develop the necessary skills to provide patient education regarding drug therapy.
General Skill	<ul style="list-style-type: none"> * Identify the roles of the professional nurse in relation to medication administration and education in healthcare settings. * Adopted the correct measures to ensure the prevention of medication errors.

Course Contents

- 1 - 1. General principle of pharmacology.
- 2 - 2. Drugs affecting the autonomic nervous system
- 3 - 3. Antibacterial agents.
- 4 - 4. Antiviral agents, Antiprotozoal agents.
- 5 - 5. Antifungal agents, Anthelmintic agents.
- 6 - 6. Cardiac drugs, Antihypertensive drugs, Diuretics and Antiarrhythmic agents.
- 7 - 7. Narcotic analgesics & antagonists
- 8 - 8. Non-narcotic Analgesics & Antipyretics
- 9 - 9. Antihistamines
- 10 - 10. Drugs affecting the G.I.T and Anti-emetics
- 11 - 11. Adreno-corticosteroids
- 12 - 12. Anti-diabetic

Teaching and Learning Methods

- 1 - Interactive lectures
- 2 - Group discussions
- 3 - Quizzes
- 4 - written materials

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First mid-term exam	9-10	20
Second mid-term exam	9-10	20%
Attendance and discussion	-	10%
Final Written Exams	Two hours	50%

Books and References

Course note	Pharmacology for Nursing introduces the science of pharmacology and considers the role of the nurse in the preparation, management and administration of medications. The course provides a principles of pharmacodynamics and pharmacokinetics. An emphasis on understanding the action of medications, safe administration practices and competence in drug calculations is made.
Essential books	<ul style="list-style-type: none">• Karch, A. M. (2003). Focus on nursing pharmacology. Lippincott Williams & Wilkins.
Recommended books	<ul style="list-style-type: none">• Loeb S., et. Al. (1991). The Nurse's Drug Handbook, sixth edition, Wiley Medical Publications, New York.• Finkel R., Clark M.A., Cubeddu L.X.(2009). Lippincotts Illustrated Reviews: Pharmacology, 4th Edition, Philadelphia, Lippincott.• Spratto G., & Woods A. (2011). Nurse's Drug Handbook, 2012 Edition.• Jessup, J.V. (2012) NUR 3145 Pharmacology for Nursing (13th ed.), packet available at the HSC Bookstore.