



COURSE OUTLINE : NS 218
D Credit – Degree Applicable
COURSE ID 004312
Cyclical Review: July 2020

COURSE DISCIPLINE : NS
COURSE NUMBER : 218
COURSE TITLE (FULL) : Nursing Pharmacology Review And Update
COURSE TITLE (SHORT) : Nrsg Pharmacology Review

CATALOG DESCRIPTION

NS 218 encompasses a review of basic pharmacology content and dosage calculation, emphasizing pharmaceutical principles. Current changes in medication administration safety measures are stressed, including intravenous medication administration. The course establishes a current foundation for pharmacological therapy in nursing by providing a review of drug classifications while giving prominence to current changes in these classifications and representative agents.

Total Lecture Units: 1.50

Total Laboratory Units: 0.00

Total Course Units: 1.50

Total Lecture Hours: 27.00

Total Laboratory Hours: 0.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 27.00

Total Out-of-Class Hours: 54.00

Prerequisite: Selection for enrollment in the Registered Nursing Program.

ENTRY STANDARDS



	Subject	Number	Title	Description	Include
1				Write coherent paragraphs which contain well-constructed sentences for homework and in-class tasks;	Yes
2				employ basic principles of mathematics, such as using ratio/proportion and fractions, solving simple algebraic equations, and converting within the metric system to accurately solve dosage calculation problems; define medical abbreviations and termin	Yes
3				utilize knowledge of anatomy and physiology and basic chemistry in understanding the pharmacokinetics and pharmacodynamics of medications.	Yes

EXIT STANDARDS

- 1 Describe the role of the nurse in the safe administration of medication, including specific areas of patient/client assessment for selected classifications of medications;
- 2 identify nursing implications established by standards of care when drug administration is part of the patient/client's therapy;
- 3 list and access resources available, both written and electronic, for eliciting information on both prescription and nonprescription medications;
- 4 explain the effects of medication on human needs, considering factors such as age, gender, ethnicity, metabolism, and health problems;
- 5 identify and discuss normal routes, side effects, contraindications, untoward reactions, therapeutic outcomes and rationale for the administration of drugs selected as representative agents of a classification;
- 6 describe pharmacotherapeutics of selected drugs used to treat a variety of health problems and conditions.

STUDENT LEARNING OUTCOMES

- 1 achieve a 90% or higher on dosage calculation examination;
- 2 achieve a 75% or greater on the midterm and final examinations.



COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	General Introduction <ul style="list-style-type: none"> • Legal regulations and standards • Medication resources and their use 	1	0	1
2	Administration Update/Assessment <ul style="list-style-type: none"> • Dosage and calculation review • Error prevention – process changes • Error prevention – equipment changes • Sentinel event • Sources of information and reliability 	1	0	1
3	Drugs Used to Treat Health Problems Related to: <ul style="list-style-type: none"> • Treatment and/or prevention of pain • Treatment and/or prevention of infection • Autonomic nervous system function • Neuromuscular and neurological function • Cardiovascular function and disorders • Respiratory function and disorders • Gastrointestinal function and disorders • Endocrine disorders • Hematological function 	20	0	20
4	Drugs Used to Alter Psychogenic Behavior and Sleep/Rest	2	0	2
5	Drugs Used to Control Inflammation Allergy, Organ Rejection	1	0	1
6	Other Uncategorized Agents	2	0	2
				27

OUT OF CLASS ASSIGNMENTS

- 1 completion of textbook learning modules;
- 2 on-line research of selected articles (e.g. high risk medications);
- 3 completion of practice quiz (e.g. dosage calculation).

METHODS OF EVALUATION

- 1 dosage/conversion calculation quizzes;
- 2 midterm examination;
- 3 assessing individual work (e.g. completion of learning modules);
- 4 final examination.



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METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Nursing Student Handbook	Required	Glendale Community College, Health Sciences Division			Department of Nursing		2017
Pharmacology: A Patient-Centered Nursing Process Approach for Nurses, a Pathophysiologic Approach	Required		10	Print	McCustion, Linda	978-0323642477	2020
Calculate with Confidence	Required	St. Louis: Elsevier	7	Print	Morris, Deborah	9780323-39683-7	2018