

Louisiana Delta Community College

Academic Affairs Master Syllabus

Course Name: ADVANCED PHARMACOLOGY

Course Number: HNUR 1460

Credit Lecture hours: 2 **Credit Lab Hours:** 0 **Contact Hours:** 45

Textbook, Author, and Publisher: To be provided by College Campus

Instructor Information: To be provided by College Campus

Class Location: To be provided by College Campus

Course Description: Drug classifications and their effect on the various body systems are presented. Specific drugs in each classification are emphasized according to expected effects, side effects, and adverse effects. Routes of drug administration and variables that influence drug action are covered including dangerous drug interactions and nursing implications related to each drug. Safety precautions which will help to decrease the incidence of errors in medication administration are stressed. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the client's learning needs and effects of all pharmacological interventions.

Prerequisites: HNUR 1211, HNUR 1212, HNUR 1270, HNUR 1300, HNUR 1320, and HNUR 1361. Concurrent enrollment or successful completion of HNUR 1411 is also required.

Co-requisites: None

Learning Outcomes:

On completion of this course, the student will be able to:

TECHNICAL STANDARDS: Students must demonstrate ability to meet the following technical/performance standards while receiving the instruction as outlined in course syllabus:

- a) Read and communicate orally and in writing using the English language.
- b) Hear with or without auditory aids to understand normal speaking voice without viewing the speakers face.
- c) Visually, with or without corrective lenses, observe changes in client's condition and actively participate in learning process.
- d) Utilize stamina, strength and psychomotor coordination necessary to perform routine practical nursing procedures at floor or bed level.
- e) Demonstrate use of gross and fine motor skills necessary to provide independent, safe and effective practical nursing care.
- f) Solve problems and apply critical thinking skills while providing safe and efficient client care.

Learning Outcomes continued:

- g) Interact with individuals/families/groups from various socioeconomic and cultural backgrounds.
- h) Adapt and function in a multi stressor environment while adhering to legal/ethical guidelines of the school, Louisiana PN Nurse Practice Act and clinical agencies.

COURSE OBJECTIVES:

Upon successful completion of this course with a minimum of 80% accuracy, the student will:

1. Classify specific drugs that belong to the various drug classifications.
2. Identify and discuss important nursing implications of various drugs and drug classifications.
3. Utilize the steps of the nursing process with regard to medication administration.
4. Identify expected responses to medications.
5. Identify actual and potential incompatibilities of client's medications.
6. Identify potential contraindications to administration of over-the-counter medications and various potential drug interactions.
7. Verify effects on the client's recovery in response to prescription and over-the-counter medications, home remedies.
8. Perform advanced level calculations of drug dosages.
9. Identify risks for possible interactions/incompatibilities of prescribed medications.
10. Identify need for client teaching/reinforcement of therapeutic effects, possible side effects and adverse effects of medications.
11. Utilize available resources that provide information on purposes and actions of pharmacological agents for reinforcement and expanded knowledge.
12. Discuss and demonstrate appropriate documentation related to medication administration in the lab setting.
13. Identify safety measures related to medication administration and the correlation to potential side effects and adverse effects to medications/parenteral therapy.
14. Identify and discuss expected responses to medications, contraindications, side effects, and adverse effects, including prescribed, over-the-counter and herbal supplements and safety factors related to each.
15. Identify and document symptoms/evidence of client's side effects/adverse effects of medications related to allergic reactions.

Assessment Measures: To be provided by the College Campus.

Library Resource Center:

The Delta Library and Learning Resource Center is committed to providing quality information and learning resources and services, including technology, in supporting the overall mission of Delta Community College and its commitment to lifelong learning.

Special Accommodations:

Louisiana Delta Community College complies with Section 504 of the Rehabilitation Act, as well as the Americans with Disabilities Act. Students with disabilities who attend the Monroe campus may make a request by contacting the Director of Counseling and Disability Services (See College Directory for contact information.) at the beginning of each semester. Reasonable accommodations will be attempted for students with documented disabilities. If an impairment is identified later in the semester, a non-retroactive accommodation plan will be developed. Students at satellite campuses should contact the Coordinator of Student Affairs at their particular campus.

Title IX:

Louisiana Delta Community College is committed to protecting the rights of students, which includes compliance with Title IX requirements. As such, the institution and members of our community will not tolerate the offenses of dating violence, domestic violence, sexual assault, and stalking. Students with Title IX concerns should contact the College's Title IX Coordinator (See College Directory for contact information.) Students are required to complete Sexual Assault Awareness and Prevention Online Training. Access to this online course will be sent out through the Delta email account.

Student Code of Conduct:

Louisiana Delta Community College encourages an environment of academic integrity and mutual respect. Students should read and follow both academic and behavioral expectations identified in the Code of Student Conduct that can be found online at www.ladelta.edu. Students are expected to act with integrity, respect the rights of others, and conduct themselves in a professional manner. The Honor Code prohibits academic misconduct such as cheating, engaging in unauthorized collaboration, and plagiarism. Violations of the Code of Student Conduct may result in disciplinary action as provided in the Code. Incidents are reported through the online Student Conduct system.