

Louisiana Delta Community College

Academic Affairs Master Syllabus

Course Name: BASIC PHARMACOLOGY

Course Number: HNUR 1361

Credit Lecture hours: 2 **Credit Lab Hours:** 1 **Contact Hours:** 60

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: The terminology and principles of medication administration are presented in this course. It includes medication assessment, procedures for administration of oral, parenteral, topical, irrigation and instillation routes/methods, along with basic dosage calculations of medications/intravenous fluid rates. Safety precautions, guidelines and documentation are emphasized.

A supervised skills lab (30hrs) is a basic component of this course.

Medical math is an integral component of this course.

Prerequisites: Acceptance into applicable program

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.
- 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.

Learning Outcomes continued:**COURSE OBJECTIVES:**

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

1. Perform accurate computations using fundamental math concepts.
2. Explain the fundamental units of the metric, apothecary, household and Fahrenheit/Celsius systems of measurement.
3. Perform calculations within and between the systems of measurement with and/or without use of departmentally approved calculators.
4. Perform accurate dosage calculations including intravenous fluid drip rates and intravenous medications.
5. In the lab setting, assess the client's medication history, physical condition, and learning needs.
6. Summarize the purpose, sources, and laws associated with pharmacological therapy.
7. Identify, explain and demonstrate the routes of drug administration, including identifying and locating various injection sites.
8. List terminology common to medication administration.
9. Discuss age appropriate procedures, safety precautions, guidelines, and documentation for medication administration.
10. Identify the types, essential elements, and methods of transcribing doctor's medication orders.
11. In the lab setting, perform administration of oral/enteral medications, topical medications, and irrigations/instillations using accepted techniques and safety precautions.
12. In the lab setting, perform administration of parenteral medications using intradermal (ID), subcutaneous (SQ/SC), intramuscular (IM), and intravenous piggyback (IVPB) routes as well as maintenance of intravenous fluids (IV) and accepted techniques and safety precautions.
13. In the lab setting, document the administration of medications using approved procedures.

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.