

BOSSIER PARISH COMMUNITY COLLEGE
Master Syllabus

Course Prefix and Number: PRNU 165

Credit Hours: 3

Course Title: PN Pharmacology I

Clock Hours Lecture/Lab/Clinical: 45/0/0

Enrollment in the program courses (PRNU) is limited to those students who have been selected and admitted to the Practical Nursing program. Program courses are sequenced by semester and must be taken as a group each semester per program requirements and policies.

Textbook(s): Introductory Clinical Pharmacology, Twelfth Edition, Susan M. Ford
Henkes Med-Math, 9th Edition, Susan Buchholz
PN Pharmacology for Nursing, ATI

Course Description: The drug classes for pain, infection, respiratory, cardiac, immune, gastrointestinal, endocrine, integumentary, hematopoietic and lymphatic systems are introduced. The properties of pharmacokinetics through the life span are discussed. 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. Advanced medication calculations will be required to demonstrate knowledge of safe dosing parameters. The nursing process is utilized to assess the patient's learning needs and effects of all pharmacological interventions. (45 hours lecture)

Learning Outcomes:

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

- A. Discuss the advanced concepts of pharmacology;
- B. Apply knowledge to improve the quality and safety of pharmacotherapy to ensure safety when administering medications;
- C. Describe the course, effects, and mechanism of action of each major drug class pain, infection, respiratory, cardiac, immune, gastrointestinal, endocrine, integumentary, hematopoietic and lymphatic systems.
- D. Evaluate common side effects and interactions associated with drugs for pain, infection, respiratory, cardiac, immune, gastrointestinal, endocrine, integumentary, hematopoietic and lymphatic systems.
- E. Design appropriate pharmacologic interventions for treatment of select health conditions or diseases, considering the impact of race, ethnic group, age, and special populations; and

Course Objectives:

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

1. Describe the following classifications of medications, including actions, possible side effects, adverse reactions, nursing considerations, and examples of each: antibiotics, analgesics and narcotics, anesthetics, drugs that affect upper and lower respiratory system, anti-hypertensives, diuretics, anticoagulants/thrombolytic, cardiotonics, upper & lower GI drugs, drugs that affect the endocrine, immune, and integumentary system. (A, C)
2. Discuss implications associated with drug-resistant bacteria. (D)
3. Describe the most common side effects of narcotics, anesthetics, cardiac, respiratory, GI, endocrine, and lymphatic drugs. (A, D)
4. Demonstrate ability to research information about medications accurately. (B, E)

Course Requirements: To earn a grade of "C" or higher the student must earn 80% of the total points for the course and obtain a Satisfactory "S" (Passing) on course CSET. Satisfactory in lab and clinical is interpreted as 80 or above out of 100.

Course Grading Scale: The final grade will not be rounded up EX. 79.5 = 79 = D

100-94 = A

93-87 = B

86-80 = C

79-73 = D

72-0 = F

Attendance Policy: The attendance policy for the BPCC Practical Nursing Program is included in the program student handbook, which is also posted to the program page of the BPCC website.

Course Fees: This course is accompanied by a non-refundable \$30 lab fee, which is used to for the purchase of laboratory supplies and equipment for the program.

Nondiscrimination Statement:

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

Coordinator for Section 504 and ADA:

Angie Cao, Student and Disability Services Specialist
Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111
318-678-6511
acao@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator:

Teri Bashara, Director of Human Resources
Human Resources Office, A-105, 6220 East Texas Street, Bossier City, LA 71111
318-678-6056
tbashara@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by MPietsch 4/2023