

BOSSIER PARISH COMMUNITY COLLEGE
Master Syllabus

Course Prefix and Number: PRNU 160

Credit Hours: 3.5

Course Title: PN Advanced Pharmacology

Clock Hours Lecture/Lab/Clinical: 45/30/0

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): Textbook of Basic Nursing, Eleventh Edition, Caroline Bunker Rosdahl, Mary T. Kowalski
Workbook for Textbook of Basic Nursing, Eleventh Edition, Caroline Bunker Rosdahl, Mary T. Kowalski
Dosage Calculations, Gloria D. Pickar
PN Pharmacology for Nursing, ATi

Course Description: The drug classes and properties of pharmacokinetics for women's health, pediatrics, and mental health nursing are introduced. Safety regarding drug preparation, administration, documentation and storage of medications through oral, sublingual, buccal, transdermal, intradermal, subcutaneous, and intramuscular routes are discussed and practiced. Supervised lab performance is an integral part of this course. 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, 30 hours lab)

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. Plan diverse culturally sensitive patient-centered care in regard to medication administration.
- D. Demonstrate the skills and knowledge necessary to correctly administer medication.

Course Objectives:

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

1. Review and describe how medications are stored and supplied in healthcare facilities. (A)
2. Discuss the importance of accurate documenting of medication administration. (D)
3. Differentiate between STAT, PRN, and bedtime medications. (A)
4. Discuss the importance of the "Five Rights, Plus Two" of medication administration, including steps to observe before administering medications. (A, B)
5. State the approved means of identifying a client before giving medications. (B, D)
6. Differentiate between desired and undesired effects, and local and systemic medication effects. (A)
7. Differentiate between enteral and parenteral administration. (A)
8. Describe procedures for administration of transdermal, vaginal, eye/ear, and aerosolized medications. (B, D)
9. Describe different types of syringes and parts of a syringe. State the intended use of each type of syringe. (A)
10. Discuss and demonstrate understanding of the role of fluid and electrolytes in the maintenance of homeostasis. (A)
11. State the hazards of needle stick injury and procedures to follow if this does happen. Describe how to prevent needle stick accidents with safety syringes; with non-safety syringes. (B)
12. Identify the procedure for a Z-track injection; state when it is used.
13. Identify nursing considerations related to total parenteral nutrition.

Lab: Upon successful completion of this course with a minimum of Satisfactory "S" accuracy on the course Clinical Skills Evaluation Tool (CSET), the student will:

1. Demonstrate safe medication administration in the lab setting. (D)
2. Comprehend the LPN's scope of practice related to managing and administering medicines. (C)
3. (A)
4. Employ best practices to provide safe, effective care for clients with special considerations (geriatric, pediatric). (C)
5. Describe and demonstrate methods of enteral medication administration: oral administration (including translingual, sublingual, buccal), and administration via NG tube and rectally. (A, D)
6. Demonstrate the proper technique for administering intradermal, subcutaneous, and intramuscular injections. (D)

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 RChampagne 04/2021