

**BOSSIER PARISH COMMUNITY COLLEGE**  
**Master Syllabus**

**Course Prefix and Number:** PRNU 150

**Credit Hours:** 2.5

**Course Title:** PN Basic Pharmacology

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

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:** This course explores the pharmacokinetics and pharmacodynamics of pharmacology. It includes terminology, abbreviations, and principles of medication administration. Safety precautions 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 patient's learning needs and effects of all pharmacological interventions. (30 hours lecture)

**Learning Outcomes:**

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

- A. Discuss the concepts of pharmacology
- B. Explain the principles of safely administering medications for all routes
- C. Compare and contrast the advantages and disadvantages of different routes of medication administration
- D. Demonstrate knowledge of medical terminology associated with pharmacology and medication administration; and
- E. Recognize pertinent information on drug labels
- F. Correctly measure the prescribed dosages that you calculate
- G. Accurately reconstitute medications supplied in powder or dry form
- H. Demonstrate the skills and knowledge necessary to correctly administer medication.

**Course Objectives:**

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

1. Explain how the Controlled Substances Act regulates the storage of, and accountability for, specific medications. Describe the proper procedure for monitoring these *scheduled* drugs in the healthcare facility.
2. Describe specific client rights, related to prescribed medications.
3. List sources of drug information for nurses.
4. Define the terms chemical, generic, official, and trade/brand names of medications. State which medication names are most commonly used.
5. Describe dosage formats for oral medications.
6. List and describe routes of medication administration.
7. Discuss factors influencing medication dosage.
8. Differentiate between prescribed and over-the-counter medications.
9. List required components of a prescription.
10. Recognize and select the appropriate equipment for the medication, dosage, and method of administration ordered.
11. Read and interpret the calibrations of each utensil presented.
12. Reconstitute medications supplied in powder or dry form.
13. Review and describe how medications are stored and supplied in healthcare facilities. (A)
14. Discuss the importance of accurate documenting of medication administration. (D)
15. Differentiate between STAT, PRN, and bedtime medications. (A)

16. Discuss the importance of the “Five Rights, Plus Two” of medication administration, including steps to observe before administering medications. (A, B)
17. State the approved means of identifying a client before giving medications. (B, D)
18. Differentiate between enteral and parenteral administration. (A)
19. Describe procedures for administration of transdermal, vaginal, eye/ear, and aerosolized medications. (B, D)
20. Describe different types of syringes and parts of a syringe. State the intended use of each type of syringe. (A)
21. 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)
22. Identify the procedure for a Z-track injection; state when it is used.

**Course Requirements:** To earn a grade of “C” or higher the student must earn 80% of the total points for the course.

**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 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.

**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](mailto: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

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Reviewed by MPietsch 9/2021