

BOSSIER PARISH COMMUNITY COLLEGE
Master Syllabus

Course Prefix and Number: PRNU 161

Credit Hours: 2.5

Course Title: PN IV Therapy

Clock Hours Lecture/Lab/Clinical: 30/20/0

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 role of the practical nurse, legal implications of intravenous (IV) therapy, and equipment and devices used, anatomy and physiology, methods and techniques, infection control measures, complications, and other vital information related to intravenous therapy is discussed. 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. (30 hours lecture, 20 hours lab)

Learning Outcomes:

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

- A. Discuss the advanced concepts of pharmacology relating to IV Therapy.
- B. Apply knowledge to improve the quality and safety of pharmacotherapy to ensure safety when administering IV medications.
- C. Plan diverse culturally sensitive patient-centered care in regard to IV medication administration.
- D. Demonstrate reading comprehension and mathematical and technical skills necessary to correctly administer IV medications.
- E. Demonstrate the skills necessary to correctly administer IV medications.

Course Objectives:

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

1. Describe how to flush a saline lock, as well as how to administer medications, discontinue a lock, and cap off an existing IV into a lock. (B, D)
2. Describe medication administration via IV piggyback, volume-controlled infusion, and existing IV infusion. (A, B, D)
3. Describe accurate programming of the IV pump or electronic IV controller used in your facility. (B, D)
4. Describe the role of the nurse in assisting with venipuncture; describe the process of venipuncture. (A, B)
5. State the most common signs of IV infiltration and what actions to take. (B)
6. Describe the role of the nurse in management of IVs, within the legal scope of practice.(A, B)
7. Describe the process of setting up an intravenous infusion. (A, B)

Lab/IV Therapy: 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 IV Therapy solutions and medicines. (D)
3. Identify the anatomy and physiology of veins and circulatory system. (A)
4. Discuss and demonstrate understanding of the role of fluid and electrolytes in the maintenance of homeostasis. (B)
5. Demonstrate the correct technique for venipuncture, IV insertion and IV infusion. (E)
6. Demonstrate a knowledge of the implications and nursing responsibilities of administering commonly used medications in IV therapy. (A, B)
7. Identify infusion related complications, causes, prevention techniques and appropriate treatments and nursing interventions. (C, D)
8. Demonstrate accurate and complete documentation of IV procedures and complications. (B)
9. Calculate IV flow rates and IV medication doses correctly. (B, D)
10. Demonstrate aseptic technique to setup and maintain IV equipment. (B, E)
11. Employ best practices to provide safe, effective care for clients with special considerations (geriatric, pediatric). (B)

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