

San Bernardino Valley College

Course Outline for NURS 101
APPLICATION OF CRITICAL THINKING TO FIRST LEVEL NURSING
PRACTICE

I. CATALOG DESCRIPTION

NURS 101, Application of Critical Thinking to First Level Nursing Practice
0.5 hours lecture, and 1.5 hours laboratory = 1 unit
Designed to facilitate development of critical thinking and the application of first level medical-surgical nursing theory. Includes analysis of clinical situations, practice of selected first level skills, basic mathematical nursing problems, learning techniques, and use of the nursing process. Graded on Credit/No Credit basis only.

SCHEDULE DESCRIPTION: Same

PREREQUISITE/COREQUISITE: NURS 102 or NURS 104

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: One

III. EXPECTED OUTCOMES FOR STUDENTS

Upon completion of the course, the student should be able to:

- A. Identify and discuss the effect of first level physiological alterations on the psychological, sociocultural, and developmental variables.
- B. Analyze simulated clinical situations common to medical-surgical clients with first level alterations in the physiological variable.
- C. With assistance, construct written nursing care plans for clients with basic medical-surgical alterations.
- D. Describe effective studying, note taking, and test taking skills.
- E. Comprehend and accurately calculate medication dosages and intravenous flow rates common to first level medical-surgical clients.
- F. State correct scientific rationale and correctly perform critical elements of selected first level nursing skills/procedures.
- G. Demonstrate correct basic physical assessment techniques.

IV. CONTENT

- A. Nursing Process/Nursing Care Plans
 - 1. Assessment techniques, data collection
 - 2. Writing and prioritizing nursing diagnoses
 - 3. Setting goals/expected outcomes
 - 4. Planning nursing interventions
 - 5. Evaluation
- B. Learning techniques
 - 1. Reading
 - 2. Studying
 - 3. Note taking
 - 4. Test taking
- C. Mathematics related to nursing care of clients with first level alterations
 - 1. Drug dosage calculations
 - 2. IV rate calculations
- D. Clinical simulations

1. Models, equipment
 2. CAI
- E. First level nursing skills/procedures
1. Medication administration (oral, injection, topical)
 2. Wound care (sterile dressing change, wound irrigation and packing)
 3. Personal hygiene
 4. Positioning/transfers
 5. Body mechanics
 6. Handwashing
 7. Management of tubes and drains
 8. Vital signs
 9. Intravenous monitoring, maintenance, discontinuing
 10. Blood glucose testing
 11. Isolation techniques
 12. Preoperative checklist
- V. METHODS OF INSTRUCTION
- A. Seminars
 - B. Discussion
 - C. Simulated clinical situations
 - D. Nursing skills/procedures
 - E. Audio-visual media
 - F. Computer Assisted Instruction
 - G. Peer tutoring
- VI. TYPICAL ASSIGNMENTS
- A. With assistance prepare a written nursing care plan using client data
 - B. Discuss underlying scientific rationale, practice and demonstrate all critical elements of selected nursing skills/procedures.
 - C. For simulated situations, calculate drug dosages and Intravenous flow rates.
- VII. EVALUATIONS
- A. Methods of Evaluation
 1. Skills/procedures demonstration
 2. Quality of written nursing care plan
 3. Math competency examination
 4. Completion of audio-visual media
 - B. Frequency of Evaluation
 1. Individualized skills demonstration
 2. Individualized written assignments
 3. Math competency exam, maximum of 2 times per 9 weeks
 4. Audio-visual as assigned
- VIII. TYPICAL TEXTS
- Alfaro-Lefevre, R., Critical Thinking in Nursing, Philadelphia: W.B. Saunders Co., 1995.
- Copstead, L., Perspectives on Pathophysiology, Philadelphia: W.B. Saunders Co., 1995.
- Curren and Monday, Math for Meds, Dosage and Solutions, San Diego: W.I. Publishing., 1995

Ignatavicius, D, et. al., Medical-Surgical Nursing Across the Health Care Continuum, 3rd ed., Philadelphia: W. B. Saunders Co., 1999.

Taylor, C., et.al., Fundamentals of Nursing, 3rd ed., Philadelphia: Lippincott Co., 1997.

IX. OTHER SUPPLIES REQUIRED OF STUDENTS: stethoscope, bandage scissors