

San Bernardino Valley College

Course Outline for NURS 103

APPLICATION OF CRITICAL THINKING TO SECOND LEVEL NURSING PRACTICE

I. CATALOG DESCRIPTION

NURS 103, Application of Critical Thinking to Second 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 second level medical-surgical and maternity nursing theory. Includes analysis of clinical situations, practice of selected second level skills, mathematical nursing problems, and use of the nursing process. Graded on Credit/No Credit basis only.

SCHEDULE DESCRIPTION: Same

PREREQUISITE/COREQUISITE: NURS 110 or NURS 112

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 second level physiological alterations on the psychological, sociocultural, and developmental variables.
- B. Analyze simulated clinical situations common to medical-surgical and maternity clients with second level alterations.
- C. With assistance, construct written nursing care plans for clients with second level alterations.
- D. Comprehend and accurately calculate medication dosages and intravenous calculations common to second level clients.
- E. State correct scientific rationale and correctly perform critical elements of selected second level nursing skills/procedures.
- F. Demonstrate correct in-depth physical assessment techniques.

IV. CONTENT

- A. Nursing Process/Nursing Care Plans
 - 1. In-depth assessment techniques, data collection
 - 2. Writing and prioritizing nursing diagnoses
 - 3. Setting goals/expected outcomes
 - 4. Planning nursing interventions
 - 5. Evaluation
- B. Mathematics related to nursing care of clients with second level alterations
 - 1. Drug dosage calculations
 - 2. IV calculations
- C. Clinical simulations
 - 1. Models, equipment
 - 2. CAI
- D. Second level nursing skills/procedures
 - 1. Intravenous piggyback medication administration
 - 2. Heparin/saline lock flush and conversion
 - 3. Oral, nasal, tracheal suctioning
 - 4. Tracheostomy care

5. Oral and nasal airway placement
6. Nasogastric tube placement
7. Colostomy care, irrigation
8. Urinary catheterization
9. Infant intramuscular injection
10. Infant gavage

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

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.

IX. OTHER SUPPLIES REQUIRED OF STUDENTS: stethoscope