

San Bernardino Valley College

Course Outline for NURS 104
MEDICAL-SURGICAL NURSING I

I. CATALOG DESCRIPTION

NURS 104, Medical-Surgical Nursing I

2.75 hours lecture, 6.75 hours laboratory = 5 units

First level medical-surgical nursing focusing on the physiological, psychological, sociocultural and developmental variables as they relate to selected alterations in integumentary, immunological, metabolism, reproduction, and musculoskeletal subsystems. Application of the nursing process to assist clients attain and maintain their optimum level of wellness.

SCHEDULE DESCRIPTION

First level medical-surgical nursing focusing on alterations in integumentary, immunological, metabolism, reproduction and musculoskeletal subsystems.

PREREQUISITE: NURS 102 with a grade of C or better

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. Describe and apply nursing concepts of: asepsis, care of pre-operative and post-operative and terminally ill clients, and the administration of medications and intravenous fluids to the nursing care of clients with first level medical-surgical alterations.
- B. With assistance or direction, use the nursing process at a basic level to assess, identify intra/inter and extrapersonal stressors; formulate nursing diagnoses, set goals with clients, plan and implement primary/secondary/tertiary nursing interventions, and evaluate the nursing management of first-level medical-surgical alterations.
- C. Correctly calculate and safely administer medications by the oral, topical, subcutaneous and intramuscular routes, considering physiological and sociocultural factors.
- D. Monitor and regulate peripheral intravenous fluid therapy, identifying and managing related complications.
- E. Describe, analyze, and apply first level nursing concepts to the care of adult and elder adult clients with specific alterations in the integumentary, immunological, metabolism, reproduction, and musculoskeletal subsystems.
- F. Demonstrate beginning level therapeutic communication skills with clients. Effectively communicate with staff using appropriate lines of authority.
- G. Assess clients' needs for education. Formulate and implement beginning level teaching plans that promote an optimum level of wellness.
- H. Perform first level nursing skills/procedures adhering to the underlying principles of client safety, organization, and asepsis.

IV. CONTENT

- A. First level medical-surgical nursing concepts
 1. Medication administration (5 Rights, oral, topical, SQ, IM routes)
 2. Intravenous fluid therapy monitoring and regulation
 3. Medical asepsis

4. Surgical asepsis
5. Wound healing
- B. Peri-operative nursing care
 1. Impact on family roles, body image
 2. Adaptation to illness
 3. Pre-operative teaching and preparation for surgery
 4. Nurse's role during surgery & in the recovery room
 5. Post-operative nursing care
 6. Tubes and drains
- C. Nursing care of clients with first level medical-surgical alterations
 1. Integument (wounds)
 2. Metabolism (Diabetes)
 3. Immunology (Cancer)
 4. Reproduction (breast, uterine, prostate diseases; menstrual disorders)
 5. Musculoskeletal (bone, joint & intervertebral disc disease; fractures; arthritis; trauma)
- D. First level nursing skills/procedures
 1. Medication administration (all routes except IV)
 2. Dressing change (types)
 3. Intravenous therapy (assessment, monitoring, regulation, changing tubing, D.C.)
 4. Surgical scrub, gloving, gowning
- E. Nursing Care of terminally ill or deceased clients
 1. Legal/biological definition of death
 2. Physiological and psychological nursing care of the terminally ill
 3. Sociocultural variations
 4. Hospice care
 5. Postmortem care

V. METHODS OF INSTRUCTION

- A. Lecture
- B. Demonstration/return demonstration
- C. Discussion
- D. Readings, handouts
- E. Media, computer programs
- F. Written assignments
- G. Case analysis
- H. Student-teacher conferences
- I. Supervised laboratory practice

VI. TYPICAL ASSIGNMENTS

- A. Written Nursing Care Plans on assigned clients with first level physiological alterations including summary of client assessment, nursing diagnoses, plan of care (goals, expected outcomes, primary/secondary/tertiary nursing interventions with scientific rationale), and evaluation of plan of care.
- B. Return demonstration of essential elements of first level nursing skills/procedures
- C. Supervised nursing care of assigned clients with first level alterations in the hospital laboratory

VII. EVALUATION(S)

- A. Methods of Evaluation
 1. Examinations: objective, essay

Typical examination question:

An elderly diabetic client is difficult to arouse and has mental status changes as well as hypothermia. These are signs and symptoms of what complication?

- a. Hypoglycemia
 - b. Hyperglycemia
 - c. HHNC
 - d. Diabetic Ketoacidosis
2. Graded written Nursing Care Plans (according to first level stated criteria)
 3. Nursing skills performance (all critical elements)
 4. Laboratory performance (first level hospital laboratory criteria)

B. Frequency of Evaluation

1. Weekly examination or quiz
2. 3 Nursing Care Plans
3. Check-off of nursing skills prior to performance in the hospital lab
4. Laboratory performance evaluation at mid-term and final

VIII. TYPICAL TEXT(S)

Copstead, L., Perspectives on Pathophysiology, Philadelphia: W.B. Saunders., 1995.

Curren and Monday, Math for Meds, Dosage and Solutions, San Diego: W.I. Publishing, 1995.

Deglin, J. and A. Vallerand., Davis' Drug Guide for Nurses, 5th ed., Philadelphia: F. A. Davis Co., 1997.

Dudek, S.G., Nutrition Handbook for Nursing Practice, 3rd ed., Philadelphia: Lippincott Co., 1997.

Estes, M., Health Assessment, Albany: Delmar Publishers, 1998.

Giger, J. and R. Davidhizar. Transcultural Nursing, 2nd ed., St. Louis: Mosby Year Book Inc., 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.

Weldy, N., Body Fluids and Electrolytes: a Programmed Presentation, 7th ed., St. Louis: Mosby Inc., 1996.

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