

# BUTTE COLLEGE

## COURSE OUTLINE

### I. CATALOG DESCRIPTION

#### **NSG 62 - Medical-Surgical Nursing II**

**3 Unit(s)**

**Prerequisite(s):** NSG 54, NSG 55, NSG 56, NSG 57

**Co-requisite(s):** NSG 60, NSG 63, NSG 66, NSG 70

**Recommended Prep:** NONE

**Transfer Status:** CSU

51 hours Lecture

This course explores concepts and challenges in client management in acute and chronic illness. Topics include perioperative care, fluid and electrolyte balance and disturbances, parenteral therapy, oncology, and diabetes. Focus is on the care of clients with acute and chronic problems, and client education. Graded only.

### II. OBJECTIVES

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

- A. Identify principles of effective communication that demonstrate caring, compassion, and cultural awareness.
- B. Discuss care of the perioperative client with acute and chronic disorders emphasizing client education.
- C. Describe the nursing and medical management for clients with oncologic, hematologic, immunologic and diabetic problems.
- D. Discuss principles of assessment based on functional health patterns for clients with oncologic, hematologic, immunologic and diabetic problems.
- E. Utilize critical decision making skills to discuss the health care for clients with oncologic, hematologic, immunologic and diabetic problems.
- F. Describe caring interventions for clients with oncologic, hematologic, immunologic and diabetic problems.
- G. Apply principles of teaching and learning for clients with oncologic, hematologic, immunologic and diabetic problems.
- H. Differentiate between the care for clients with acute and chronic health problems.

### III. COURSE CONTENT

#### **A. Unit Titles/Suggested Time Schedule**

Lecture		
<u>Topics</u>		<u>Hours</u>
1. Fluid and Electrolyte Balance and Disturbances	a. Review key concepts, fluid and electrolyte balance - 4 hours   b. Fluid and electrolyte disturbances and imbalances, acid base balance - 4 hours   c. IV therapy, IV fluids, complications of parenteral therapy - 4 hours	13.00
2. Nursing Management of the Client with Cancer	a. Epidemiology, pathophysiology of the malignant process - 3 hours. Detection and prevention, diagnosis - 3 hours. Major cancers: breast, lung, colorectal, prostate - 3 hours. Management of cancer: surgery, chemotherapy, radiation - 3 hours. Nursing care of cancer patients, end of life care - 3 hours	15.00

3. Nursing management of the Client with Diabetes. Classification of diabetes - 2 hours. Diabetes management - 3 hours. Clinical care issues with the diabetic patient - 3 hours. Long-term and acute complications of diabetes - 4 hours	13.00
4. Management of the Perioperative Client a. Perioperative phases, informed consent surgical team - 3 hours b. Surgical asepsis, anesthesia, lab values - 3 hours c. Nursing care post-op, prevention post-op complications - 4 hours	10.00
Total Hours	51.00

#### IV. **METHODS OF INSTRUCTION**

- A. Lecture
- B. Discussion
- C. Demonstrations
- D. (Unless otherwise stated, this course is conducted according to the general policies, procedures, and schedule of the Associate Degree Nursing Program described in the ADN student handbook.)
- E. Class projects
- F. Computer assisted instruction
- G. Homework: Students are expected to spend the minimum of two hours outside of class each week for each hour of lecture doing homework, reading the text, and completing written assignments.

#### V. **METHODS OF EVALUATION**

- A. Exams/Tests
- B. Quizzes
- C. Written Assignments
- D. In class assignments

#### VI. **EXAMPLES OF ASSIGNMENTS**

- A. Reading Assignments
  - 1. Read chapter 18, focusing on the 3 phases of the perioperative experience: preoperative, intraoperative, and postoperative.
  - 2. Read chapter 14, identifying the 4 pH imbalances (metabolic acidosis and alkalosis;, respiratory acidosis and alkalosis) and their common causes.
  - 3. Read chapter 41, identifying the classification of diabetes according to their pathophysiology.
- B. Writing Assignments
  - 1. Develop a worksheet based on the treatment modalities for diabetes.
  - 2. Read a case study presentation based on orthopedic traumatic injury. Using APA format, answer the 5 critical thinking questions using supportive textbooks as references.
  - 3. Perform 20 dosage calculations for continuous IV infusions of medications ordered by mcg/Kg/min.
- C. Out-of-Class Assignments
  - 1. In small groups, answer a question based on a clinical scenario presented in class. Share the group answer with the rest of the class.
  - 2. Review a teaching plan for the patient undergoing chemotherapy.
  - 3. Allow time for each student to review lecture notes for diabetic care. In class review critical information for patients to learn regarding diabetic care issues.

#### VII. **RECOMMENDED MATERIALS OF INSTRUCTION**

Textbooks:

- A. Pagana & Pagana. Mosby's Manual of Diagnostic and Laboratory Tests. 24th Edition. St Louis:

Mosby, 2010.

- B. Smeltzer & Bare. Brunner and Suddarth's Textbook of Medical Surgical Nursing. 12th Edition. Lippincott, Williams and Wilkins, 2010.
- C. Carepntino -Moyet. Nursing Diagnosis, Application to Clinical Practice. 13th Edition. Lippincott, Williams and Wilkins, 2010.

**Created/Revised by:** Susan Craig

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