

BUTTE COLLEGE

COURSE OUTLINE

I. CATALOG DESCRIPTION

NSG 70 - Theory Integration Seminar II

1 Unit(s)

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

Co-requisite(s): NSG 60, NSG 62, NSG 63, NSG 66

Recommended Prep: NONE

Transfer Status: CSU

17 hours Lecture

In this course students will integrate critical thinking skills and didactic content to clinical case studies in maternity, pediatric and acute medical surgical nursing content. The student will clarify roles and develop plans of care for clients throughout the lifespan. Graded only.

II. OBJECTIVES

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

- A. Identify and analyze the steps of the nursing process through clinical case studies in maternity, pediatric and acute medical-surgical nursing.
- B. Demonstrate physical assessment techniques for the medical surgical, pediatric and maternity client.
- C. Analyze arterial blood gas results for the medical surgical client.
- D. Describe types of intravenous (IV) fluids, and how they are used with various disease processes.
- E. Discuss treatment modalities for the client with Type I and Type II diabetes.
- F. Demonstrate nursing care measures during a pediatric emergency.
- G. Describe the steps of developmental assessment of children.
- H. Analyze fetal heart monitor tracings, and describe the associated nursing interventions required.
- I. Compare and contrast nursing care of the low risk and high risk labor patient.
- J. Demonstrate administration techniques for Pitocin and Magnesium Sulfate infusions.

III. COURSE CONTENT

A. Unit Titles/Suggested Time Schedule

Lecture	
<u>Topics</u>	<u>Hours</u>
1. Arterial Blood Gas (ABG) interpretation for the acute medical surgical client	1.00
2. IV fluid administration	2.00
3. Management of the cardiovascular client	2.00
4. Type I and Type II diabetes management	2.00
5. Care of the special needs child	1.00
6. Nursing management of the dying child	1.00
7. Developmental assessment of children	1.00
8. Pediatric emergencies	2.00
9. Fetal heart monitoring, interpretation and nursing care	2.00
10. Low and high risk labor and delivery nursing care	2.00
11. Magnesium Sulfate and Pitocin administration	1.00
Total Hours	17.00

IV. METHODS OF INSTRUCTION

- A. Class Activities
- B. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- C. Discussion
- D. Demonstrations
- E. Case studies

V. METHODS OF EVALUATION

- A. Exams/Tests
- B. Demonstration
- C. Class participation

VI. EXAMPLES OF ASSIGNMENTS

- A. Reading Assignments
 - 1. Read the chapter on Arterial Blood Gas Interpretation in your textbook. Answer the questions at the end of the chapter. Be prepared to discuss answers in class.
 - 2. Read the chapter on Pitocin administration in your maternity textbook. Be prepared to calculate Pitocin intravenous drip rates in class.
- B. Writing Assignments
 - 1. Complete the Hospitalized Pediatric Client Case Study, submit it on assigned due date and be prepared to discuss the case study in class.
 - 2. Complete the Diabetes Worksheet, submit it on assigned due date, and be prepared to discuss in class.
- C. Out-of-Class Assignments
 - 1. Observe nursing care of a patient receiving Pitocin in the clinical setting. Write and submit a summary of your observations.
 - 2. Research a professional journal article on pediatric respiratory distress. Be prepared to discuss in small groups in class.

VII. RECOMMENDED MATERIALS OF INSTRUCTION

Textbooks:

- A. Gahart, B, & Nazaro, A.. Intravenous Medications. 28th Edition. St. Louis: Mosby, 2011.
- B. Kyle, T, & Carman, S.. Essentials of Pediatric Nursing. 2nd Edition. Philadelphia: Lippincott, Williams & Wilkins, 2013.
- C. Lilley, L. & Aucker, R.. Pharmacology and the Nursing Process. 6th Edition. St. Louis: Mosby, 2011.
- D. Carpentino-Moyet, L. J.. Nursing Diagnosis, Application to Clinical Practice. 13th Edition. Philadelphia: Lippincott, Williams and Wilkins, 2010.
- E. Smeltzer, S. & Bare, B. . Textbook of Medical-Surgical Nursing. 12th Edition. Philadelphia: Lippincott, 2010.
- F. Littleton-Gibbs, L. & Engebretson. Maternity Nursing Care. 2nd Edition. Clifton Park: Delmar, 2013.