I. **OVERVIEW**

The following information will appear in the 2010 - 2011 catalog.

**NURSE 265 Nursing Process: Medical-Surgical**  
6 Units

**Prerequisite:** Satisfactory completion of NURSE 260 and NURSE 261 and NURSE 262 and NURSE 263 and NURSE 264.

**Corequisite:** Concurrent enrollment in NURSK 800.

**Limitations on Enrollment:** Acceptance into the ADN program. Enrollment limited to program capacity.

Applies the principles and concepts of the nursing process that focuses on promoting adaptation of adolescent through senescent clients with serious or complex alterations in health. Students will complete didactic units in oxygenation, cardiovascular, hematological, immunological, and oncologic nursing. Acute hospital settings and hospice services will be utilized for the clinical practicum of the course.

**Materials Fee Required**

Field trips might be required.  (A-F Only) Lecture /Lab

Transfer: (CSU)

II. **LEARNING CONTEXT**

Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. **COURSE CONTENT**

1. **Required Content:**

   a. Hematological Function
      
      i. Blood and lymphatic system
      
      ii. Assessment
      
      iii. Diagnostic studies
      
      iv. Blood transfusions
      
   v. Hematological disorders
      
      a. Thrombocytopenia
      
      b. Neutropenia
      
      c. Leukocytosis
      
      d. Leukemia
      
      e. Hodgkins & Non-Hodgkins
      
      f. Anemias
      
      g. Multiple Myeloma
b. Immune System
   i. Normal immune response
   ii. Hypersensitivity reactions
   iii. Organ transplant
   iv. Autoimmune disorders
      a. Rhuematoid Arthritis
      b. Gout
      c. Systemic Lupus Erythematosus
      d. Systemic Sclerosis
      e. Rheumatic Soft Tissue Disorder
   v. Oncology
   vi. HIV/AIDS
   vii. Immunosuppressant medications

c. Cardiovascular System
   i. Cardiac assessment
   ii. Diagnostic Testing
   iii. Hypertension
   iv. Coronary Artery Disease
      a. Angina
      b. Myocardial infarction
   v. Congestive Heart Failure
   vi. Cardiac Dysrhythmias
      a. Electrocardiogram monitoring
      b. Defibrillation and cardioversion
   vii. Inflammatory and structural heart disorders
      a. Endocarditis
      b. Rheumatic fever and heart disease
      c. Mitral valve stenosis/prolapse/regurgitation
      d. Aortic stenosis
      e. Cardiomyopathy
viii. Vascular disorders--arterial and venous
   a. Aortic aneurysm/dissection
   b. Peripheral arterial disorders
   c. Deep vein thrombosis
   d. Chronic venous insufficiencies/venous leg ulcers

ix. Cardiovascular Medications

d. Respiratory System
   i. Respiratory assessment
   ii. Diagnostic studies
   iii. Methods of oxygen administration

iv. Upper Airway Disorders
   a. Obstructive sleep apnea
   b. Tracheostomy care
   c. Cancer of head and neck

v. Lower Airway Disorders
   a. Acute bronchitis
   b. Pneumonia
   c. Tuberculosis
   d. Lung cancer
   e. Pulmonary embolism
   f. Pulmonary hypertension

vi. Chronic Obstructive Pulmonary Disease

vii. Chest tubes

viii. Respiratory medications

2. **Required Lab Content:**

   a. Orientation to lab /clinical content
      i. Review syllabi for course lab content and assignments

   b. Nursing process using the Roy Adaptation Model
i. Hematology
ii. Immune/Oncology/HIV
iii. Cardiovascular
iv. Respiratory

c. Current Issues and Trends in Nursing
   i. Principles of leadership and management
   ii. Delegation and supervision in nursing

d. Clinical skills
   i. Secondary Intravenous Medications
   ii. Central Venous Catheter Dressing Change
   iii. Tracheostomy Care
   iv. Blood Transfusion Therapy

e. Hospice Community Visit
f. Human Patient Simulation

B. ENROLLMENT RESTRICTIONS

1. Prerequisites
   Satisfactory completion of NURSE 260 and NURSE 261 and NURSE 262 and NURSE 263 and NURSE 264.

2. Co-requisites
   Concurrent enrollment in NURSK 800.

3. Limitations on Enrollment
   Acceptance into the ADN program. Enrollment limited to program capacity.

4. Requisite Skills
   Before entering the course, the student will be able to:
   a. Identify normal anatomy and physiology
   b. Demonstrate health assessment skills
   c. Apply the Nursing Process and critical thinking to patient care
   d. Demonstrate medication dosage calculation for children and adults
   e. Identify normal growth and development
   f. Identify issues related to health promotion/protection and adaptation to common health problems across the life span
g. Apply basic concepts of pharmacology to patient care

C. HOURS AND UNITS

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<tr>
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D. METHODS OF INSTRUCTION (TYPICAL)
Instructors of the course might conduct the course using the following method:

1. Lecture
2. Collaborative learning activities
3. Guided discussion
4. Audio-visual materials
5. Simulated lab activities

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS
   Time spent on coursework in addition to hours of instruction (lecture hours)
   a. Assigned weekly readings from required text books and supplemental sources.
   b. Weekly pre-clinical forms and patient research prior to direct patient care.
   c. Written assignments to include case studies, concept maps, and didactic worksheets per term.
   d. Skills practice and testing prior to direct patient care.
   e. Preparation for exams.
   f. Preparation for final exam.

2. EVIDENCE OF CRITICAL THINKING
   Assignments require the appropriate level of critical thinking
   a. Create and present a case study based on an actual patient that you have cared for
      incorporating the nursing process: data collection, assessment, nursing diagnoses, patient
goals, nursing interventions, and evaluation.
   b. A patient is hospitalized for evaluation of unstable angina; he/she experiences severe chest
      pain and calls the nurse. List six interventions the nurse should implement in addressing the
      patient's pain.
   c. When obtaining a health history from a patient with possible cancer of the mouth, the nurse
      would expect the patient to report
      i. Long-term denture use
      ii. Heavy tobacco and alcohol use
iii. Persistent swelling of the neck and face
iv. Chronic herpes simplex infections of the mouth and lips

F. TEXTS AND OTHER READINGS (TYPICAL)


III. DESIRED LEARNING

A. COURSE GOAL

As a result of satisfactory completion of this course, the student should be prepared to:

demonstrate skills and knowledge of medical surgical concepts related to hematological, immune, cardiovascular and respiratory alterations in health.

B. STUDENT LEARNING GOALS

Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals

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

a. Analyze alterations in adaptation related to respiratory, cardiovascular, hematological, immune, and oncologic function.

b. Identify alterations in adaptation through physical and psychosocial assessment.

c. Examine the potential for alterations in self-concept, role function, sexual function, and interdependency related to alterations in adaptation

d. Use the Roy Adaptation Model to formulate nursing diagnoses based on scientific principles.

e. Evaluate short-term and long-term goals for client adaptation.

f. Identify appropriate nursing interventions to facilitate client adaptation.

g. Discuss the implications of cultural diversity and nursing interventions.

h. Discuss strategies to deal with ethical and spiritual issues related to client adaptation.

i. Describe the therapeutic effects of pharmacological agents on selected clients.

j. Evaluate the outcome of nursing interventions to determine if client goals have been met.

2. Lab Learning Goals

Upon satisfactory completion of the lab portion of this course, the student will be able to:
a. Demonstrate consistent clinical preparation by completing pre-clinical form to include understanding of clients disease process, lab and diagnostic tests, medications, and nursing care plan.

b. Demonstrate the ability to administer medications safely, consistent with the six rights of medication administration.

c. Select appropriate client assignments in order to demonstrate skills and enhance knowledge in the care of clients with alterations in cardiovascular, respiratory, oncologic, immune, and hematological function.

d. Demonstrate the ability to organize and manage a group of three clients effectively for a minimum of three days during the clinical rotation.

e. Provide a safe environment for clients by adhering to overriding concerns in the area of accountability, physical jeopardy, emotional jeopardy, therapeutic communication, and asepsis.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT

1. Ongoing satisfactory performance in clinical practicum

2. Adherance to Overriding Concerns (as listed in the MJC Nursing Student Handbook and course syllabus)

3. Adequate preparation for patient care before clinical days

4. Consistent provision of safe care in the clinical practicum with minimum faculty guidance

5. Classroom work (exams, quizzes, case studies and other written assignments)

B. SUMMATIVE ASSESSMENT

1. Classroom work must be completed with a cumulative grade of 76%

2. Pass medication dosage calculation exam with a minimum score of 90%

3. Final Exam

4. Final evaluation of clinical performance