

## NUR 213: Complex Health System

### COURSE DESCRIPTION:

Prerequisites: NUR 111, NUR 112, NUR 113, NUR 114, NUR 211, and NUR 212, BIO 168, BIO 169, BIO 271, PSY 150, PSY 241, ENG 111, ENG 112, Must be enrolled in Associate Degree Nursing Program

Co-requisites: HUM Elective

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, oxygenation, perfusion, tissue integrity, mobility, stress/coping, violence, immunity, health-wellness-illness, professional behaviors, caring interventions, managing care, health care systems, and quality improvement. *Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.*

Course Hours per Week: Class, 4 Lab, 3 Clinical, 15.

Semester Hours Credit, 10.

Placement in the curriculum: End Semester

### LEARNING OUTCOMES:

Upon completion of the course, the learner will be able to:

1. Assimilate all concepts within the domain of the individual related to complex alterations in health.
2. Provide safe, culturally competent, therapeutic nursing care to individuals with complex alterations in health.
3. Safely and ethically execute the management of therapeutic nursing care within the healthcare system for individuals with complex alterations in health.

### OUTLINE OF INSTRUCTION:

- I. Concepts Related to the Individual
  - A. Fluid and Electrolyte Balance
    - i. Acute Kidney Injury
    - ii. Chronic Kidney Disease
  - B. Metabolism
    - i. Liver Disease including Cirrhosis & Hepatitis
    - ii. Cushing Syndrome
    - iii. Addison's Disease
    - iv. Pancreatitis
  - C. Oxygenation
    - i. Acute Respiratory Failure
    - ii. Acute Respiratory Distress Syndrome
    - iii. Artificial Airway & Mechanical Ventilation
    - iv. Chest Trauma & Chest Tubes
    - v. Pulmonary Embolism
  - D. Perfusion
    - i. Life Threatening Dysrhythmias
    - ii. Shock

- iii. Cardiomyopathy
    - iv. MI & ACS
    - v. Pregnancy Induced Hypertension
    - vi. DIC
    - vii. Ventricular Septal Defect Family Response to Health Alterations
  - E. Tissue Integrity
    - i. Burns
  - F. Mobility
    - i. Spinal Cord Injury
    - ii. Multiple Sclerosis
    - iii. Guillain-Barré syndrome
    - iv. Myasthenia Gravis
    - v. Amyotrophic Lateral Sclerosis
  - G. Stress and Coping
    - i. Post-Traumatic Stress Disorder
  - H. Violence
    - i. Homicide
    - ii. Unintentional injury & trauma (MVA)
  - I. Health, Wellness, Illness
    - i. Consumer Education
    - ii. Focus on global community health, wellness, and illness
    - iii. Alternative therapies
- II. Concepts Related to Nursing
- A. Professional Behaviors
    - i. Commitment to the Profession
    - ii. Work Ethics
  - B. Caring Intervention
    - i. Caregiver skills development
  - C. Teaching & Learning
    - i. Community education
  - D. Collaboration
    - i. Interdisciplinary Communication
  - A. Managing Care
    - ii. Prioritizing individual care and groups
    - iii. Delegation
- III. Concepts Related to Health Care
- A. Safety
    - i. National Patient Safety Goals
  - B. Health Care systems
    - i. Emergency preparedness (Disasters, Triage, Bioterrorism)
  - C. Quality Improvement
    - ii. Quality improvement cycle
    - iii. Root cause analysis
    - iv. Breach in care Evidence-based Practice

**REQUIRED TEXTBOOK AND MATERIAL:**

The textbook and other instructional material will be determined by the instructor.