

## **COURSE OUTLINE** **Nursing Process IV**

### **Course Description**

NR 203. Nursing Process IV: Management of Chronic or Progressive & Irreversible Alterations in Health. 9 hours credit. Prerequisites: NR 202, Humanities/Fine Arts requirement, Social/Behavioral Science Requirement with a C or better. This course will enable the student to assess groups of adult clients who are experiencing chronic or progressive and irreversible alterations in health. The student will apply the American Nurses Association (ANA) Standards of Practice and the National League of Nursing (NLN) Associate Degree Nurse (ADN) Core Components in analyzing assessment findings based on client needs to prioritize nursing care for groups of adult clients. The student is able to refine previously learned cognitive and psychomotor nursing skills. The student will demonstrate the dynamics of leadership and management skills in clinical decision making processes. The student will demonstrate ANA Standards of Professional Performance appropriate to the novice practitioner. Classroom: 73.6 hours; Clinical 202.5 hours

### **Course Relevance**

This course is a springboard for a lifelong career in the nursing profession. It prepares the student for the world of nursing by expanding critical thinking skills to groups of clients. Prioritization, delegation, supervisory and leadership skills are added to the student's repertoire of cognitive and psychomotor skills necessary for nursing practice.

### **Required Materials**

Ackley, B. and Ladwig, G., (2008). *Nursing diagnosis handbook: an evidence based guide to planning care* (8<sup>th</sup> ed.). St. Louis, MO: Mosby Elsevier **OR** Cox: Clinical Applications of nursing diagnosis.

American Nurses Association., (2004). *ANA's foundation of nursing package*. Silver Spring, MD: nursebooks.org

Black, J.M. & Hawks, J.H., (2009). *Medical surgical nursing: Clinical management for positive outcomes*. (8<sup>th</sup> ed.). St. Louis: Elsevier Saunders Inc.

*Course manual*, by Course Faculty.

LaCharity, L. Kumagai, C. & Bartz, B., (2006). *Prioritization, delegation and assignment: Practice exercises for medical-surgical nursing*. St. Louis: Mosby.

Whitehead, D.K., Tappen, R.M., & Weiss, S.A. (2007) *Essentials of nursing leadership and management*. (4<sup>th</sup> ed.). Philadelphia: F.A. Davis.

Required PDA software:

Personal Data Assistant (Palm OS or Windows OS) of choice and software packages purchased through the bookstore or online. Online vendor for PDA software is

Skyscape: <http://www.skyscape.com/estore/BrowseByNursing.aspx>

- *Davis's Drug Guide for Nurses.*
- *Mosby's Pocket Dictionary of Medicine, Nursing & Health Professions,*
- *Davis's Comprehensive Handbook of Laboratory and Diagnostic Tests With Nursing Implications.*

Online Resources:

Course web page: <http://instructors.butlercc.edu/nr203/nr203main.htm>

ANGEL course web page: <http://webcourses.butlercc.edu>

Supplies:

A stethoscope, penlight, watch and black pen are required for clinical in addition to the uniform described in the student handbook.

[http://www.butlercc.edu/nursing/h\\_intro.htm](http://www.butlercc.edu/nursing/h_intro.htm)

### **Supplementary Materials**

Burckhardt, J. & Irwin, B.J. (2007). *Strategies for the registered nursing licensing examination*. (2007-2008 ed.). New York: Simon and Schuster.

Sublett, C. & Blair, M. (2009). *Study guide for medical- surgical nursing*. (8<sup>th</sup> ed.). St. Louis: Elsevier Saunders Inc.

Gahart, B., and Nazareno, A., (2010) *Intravenous medications* (26<sup>th</sup> ed.). St. Louis, MO: Mosby

### **Learning Outcomes**

The intention is for the student to be able to:

1. Apply the ANA Standards of Practice and NLN ADN Core Components while caring for adult clients who are experiencing chronic or progressive and irreversible alterations in health.
  - A. Perform systematic physical / psychosocial assessments based on client needs
  - B. Analyze assessment findings to prioritize nursing care
    1. Promote health and perform nursing skills in a caring manner
    2. Apply principles of therapeutic nutrition
    3. Apply principles of pharmacology
    4. Incorporate cultural, religious and spiritual influences on health care
    5. Apply principles of teaching / learning for individuals and groups
  - C. Communicate
    1. Therapeutically with the clients, their family and/or significant others

2. Professionally with the health care team
3. Accurately while documenting application of nursing process
4. Using computer technology
2. Apply ANA Standards of Professional Performance and NLN ADN Core Components while caring for adult clients who are experiencing chronic or progressive and irreversible alterations in health
  - A. Collaborate effectively as a member of the health care team to
    1. Delegate to and supervise unlicensed assistive personnel, LPN's, and RN's
    2. Coordinate care with hospital and other community resources
    3. Engage actively in teamwork , reflecting on own leadership and management skills
    4. Plan nursing care with positive quality outcomes
  - B. Demonstrate professional behaviors appropriate to a novice practitioner in order to:
    1. Practice within the ethical, legal, regulatory frameworks of nursing
    2. Perform accountably
    3. Demonstrate a spirit of inquiry
    4. Practice self awareness and evaluation
    5. Utilize the best available evidence to guide practice decisions

### **Learning PACT Skills that will be DEVELOPED and/or documented in this course**

Through involvement in this course, the student will develop ability in the following PACT skill areas:

#### **Analytical Thinking Skills**

1. Critical thinking
  - Through assessing clients and groups of clients and analyzing assessments, the student will discern nursing diagnoses, develop plans of care, implement the plans and evaluate their effectiveness.

#### **Personal Development Skills**

1. Personal management
  - Through the care of groups of clients, the student will apply time management skills.
  - Through the care of groups of clients while working with peers and the health care team, the student will apply teamwork skills.
  - Through the care of groups of clients while working with peers and the health care team, the student will apply leadership skills.

#### **Major Summative Assessment Task(s)**

These learning outcome(s) and the Learning PACT skill(s) will be demonstrated by:

1. Applying the nursing process, prioritizing, delegating, and using cognitive/psychomotor skills for a group of clients in the simulated laboratory setting (*A skill rubric*).
2. Presenting a Post Conference in the clinical setting that facilitates peers' achievement of a course outcome. This post conference will be done in groups of three or four with consideration of teaching/learning principles. Current research on

the topic will be included in the presentation. The Post Conference will be followed by the production of a display for the semester end "Post Conference Fair". This display will include a summary of the presentation, relevance of the topic, and reflection on how this experience will impact the participant's future nursing care. The student will reflect on his/her teamwork and leadership skills used during the group work (*P skill rubric*).

3. Practicing the ANA Standards of Practice, Standards of Professional Performance and the NLN ADN Core Components and Competencies with a summative score in all clinical outcomes of 95% or greater in the clinical setting. Each clinical nursing outcome must be satisfactorily attained at a minimum of 80% (*A skill rubric*).

## **Course Content**

- I. Skills/Competencies - Actions that are essential to achieve the course outcomes:
  - A. Demonstrate professional behaviors
    1. Practice within the legal and ethical framework of nursing
    2. Create an initial professional resume
  - B. Communicate effectively
    1. Therapeutic
    2. Professional
    3. Documentation
    4. Computer technology
  - C. Perform client assessment
    1. In-depth Physical Assessment
    2. In-depth Psycho-social Assessment
    3. Pain management
  - D. Participate in clinical decision making
    1. Critical thinking in making clinical judgments
    2. Prioritization of care
    3. Manage groups of clients
  - E. Perform caring interventions
    1. Application of all previously learned cognitive/psychomotor skills
    2. Using evidenced based practice/research
    3. Provide therapeutic nutrition for clients with burns, renal dysfunction, cancer and other chronic or progressive and irreversible alterations in health
    4. Pharmacologic principles
    5. Incorporate cultural, religious and spiritual influences on health care
  - F. Apply teaching/Learning principles to groups
  - G. Collaborate with members of the health care team
  - H. Managing care of clients
    1. Apply principles of management to the supervision of groups of individuals
    2. Applying principles of leadership to the supervision of groups of individuals
    3. Applying principles of prioritization to groups of individuals
    4. Delegate within the guidelines of the Nurse Practice Act
- II. Themes - Key recurring concepts that run throughout this course:
  - A. Client needs

- B. NLN ADN Core Components and Competencies
  - C. ANA Standards of Practice (nursing process)
  - D. ANA Standards of Professional Performance
  - E. Wellness – illness continuum
- II. Issues - Key areas of conflict that must be understood in order to achieve the intended outcome:
- A. Legal / ethical
  - B. Confidentiality
  - C. Accountability
  - D. Cultural diversity
  - E. Religious and spiritual influences on health
  - F. Nurse's versus client's values
  - G. Scope of practice
  - H. Health care delivery system
  - I. Organ donation
  - J. Teamwork/management
- III. Concepts – Key concepts that must be understood to address the issues:
- A. Safe and effective care environment
    - 1. Management of care
    - 2. Safety and infection control
  - B. Health promotion and maintenance
  - C. Psychosocial integrity
  - D. Physiological integrity
    - 1. Basic care and comfort
    - 2. Pharmacological and parenteral therapies
    - 3. Reduction of risk potential
    - 4. Physiological adaptation

## **Learning Units**

- I. ANA Standards of Practice
  - A. Assessment
  - B. Diagnosis
  - C. Outcomes Identification
  - D. Planning
  - E. Intervention
    - 1. Coordination of Care
    - 2. Health Teaching and Health Promotion
  - F. Evaluation
- II. ANA Standards of Professional Performance
  - A. Quality of Practice; Quality Improvement
  - B. Education
    - 1. Portfolio development
    - 2. Resume
    - 3. Panel discussion: employer expectations and professional guidance
  - C. Professional Practice Evaluation
    - 1. Kansas Nurse Practice Act

- 2. Self Evaluation of Practice
- D. Collegiality
  - 1. Post Conference Presentation
  - 2. Post Conference Display
- E. Collaboration: Continuity of care
- F. Ethics
  - 1. Peer assistance
  - 2. Ethical issues
- G. Research
  - 1. Evidence based practice
  - 2. Research as a basis for learning
- H. Resource utilization
  - 1. Cost of care
  - 2. Guidelines for delegation
  - 3. Community resources
- I. Leadership
  - 1. Professional organizations
  - 2. Political process and professional nursing issues
  - 3. Teamwork skills
  - 4. Coordination of care

### III. Client need: Safe and effective care environment

- A. Management of care
  - 1. Case management
  - 2. Collaboration with interdisciplinary team
  - 3. Consultation
  - 4. Delegation
  - 5. Establishing priorities
  - 6. Legal rights and responsibilities
  - 7. Performance improvement
  - 8. Staff education
  - 9. Supervision
- B. Safety and infection control
  - 1. Disaster planning
  - 2. Emergency response plan
  - 3. Handling hazardous and infectious materials
  - 4. Home safety
  - 5. Security plan

### IV. Client need: Health promotion and maintenance

- A. Expected body image changes
- B. Health promotion programs
- C. High risk behaviors
- D. Lifestyle choices
- E. Techniques of physical assessment

- V. Client need: Psychosocial integrity: End of life care
- VI. Client need: Physiological integrity
  - A. Basic comfort and care: Palliative/ comfort care
  - B. Pharmacological and parenteral therapies (Integrated)
  - C. Reduction of risk potential
    - 1. Diagnostic tests
    - 2. Laboratory values
    - 3. Potential for alterations in body systems
    - 4. Potential for complications of diagnostic tests/treatments/procedures
    - 5. Potential for complications from surgical procedures and health alterations
    - 6. System specific assessment
    - 7. Therapeutic procedures
  - D. Physiological adaptation
    - 1. Alterations in body systems
      - a. Overview Concepts
        - 1. Basic concepts of disease process
          - a. Altered cellular growth
          - b. Chronic pain
          - c. Immunity
        - 2. Alterations in immune response
          - a. Autoimmune disease
          - b. Immunodeficiency diseases
          - c. Transplantation
      - b. Integumentary system: Burns
      - c. Renal and urinary tract system
        - 1. Obstructive: Neoplasms
        - 2. Congenital: Polycystic disease
        - 3. Alteration in renal function
          - a. Acute renal failure
          - b. Chronic renal failure
      - d. Gastrointestinal and Hepatic system
        - 1. Altered cellular growth: Liver
        - 2. Infectious and inflammatory pancreatic disorders: Pancreatitis
        - 3. Infectious and Inflammatory hepatic disorders
          - a. Cirrhosis
          - b. Liver failure
      - e. Endocrine system
        - 1. Alterations in thyroid function
          - a. Hyperthyroidism
          - b. Hypothyroidism
        - 2. Alterations in parathyroid function
          - a. Hyperparathyroidism
          - b. Hypoparathyroidism
        - 3. Alterations in adrenal cortical function
          - a. Adrenal cortical insufficiency
          - b. Glucocortical hormone excess

- 4. Diabetes Mellitus: Chronic concerns
- f. Nervous system
  - 1. Chronic alterations of brain function
    - a. Huntington's disease
    - b. Parkinson's disease
  - 2. Acute alterations of spinal cord function: Spinal cord injury
  - 3. Chronic alterations of spinal cord function
    - a. Spinal cord injury
    - b. Multiple sclerosis
    - c. Amyotrophic lateral sclerosis
  - 4. Alterations of peripheral nervous system
    - a. Myasthenia gravis
    - b. Back pain
- g. Musculoskeletal system
  - 1. Injury and trauma
    - a. Total joint replacement
    - b. Hip fracture
    - c. Amputation
  - 2. Alterations in joint function
    - a. Osteoarthritis
    - b. Rheumatoid arthritis
    - c. Systemic lupus erythematosus
- F. Illness management
- G. Infectious disease
- H. Pathophysiology
- I. Radiation therapy
- J. Unexpected response the therapies

### **Learning Activities**

Learning activities will be assigned to assist the student to achieving the intended course outcomes through textbook and nursing journal readings, classroom activities, case studies, online learning materials, computer assisted programs, laboratory, simulation and clinical experiences.

### **Grade Determination**

The student will be graded on assessment tasks, written assignments, exams and other methods of evaluation at the discretion of the instructor.