

San Bernardino Valley College

Course Outline for NURS 202
PEDIATRIC NURSING

I. CATALOG DESCRIPTION

NURS 202, Pediatric Nursing

2.75 hours lecture, 6 hours laboratory = 4.75 units

A family-centered approach to the nursing care of infants and children. Application of the nursing process to pediatric clients with commonly occurring alterations in the physiological, psychological, sociocultural and developmental variables to assist them attain or maintain their optimum level of wellness.

SCHEDULE DESCRIPTION

A family-centered approach to the nursing care of infants and children with commonly occurring alterations in the physiological, psychological, sociocultural and developmental variables.

PREREQUISITES: NURS 108 and NURS 110 and NURS 112, all with a grade of C or better

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: One

III. EXPECTED OUTCOMES FOR STUDENTS

Upon completion of the course, the student should be able to:

- A. Discuss and apply theoretical concepts of growth and development to the nursing care of infants and children.
- B. Independently or with minimal guidance, use the nursing process to assist pediatric clients with common alterations in the physiological, psychological, sociocultural, and developmental variables to attain or maintain an optimum level of wellness.
- C. Thoroughly assess the physiological, psychological, sociocultural, and developmental variables using all available resources. Considering the developmental variable, collect, organize, and document the database; differentiate between normal and abnormal assessment findings; formulate prioritized nursing diagnoses; set goals in collaboration with the client and/or family; plan and implement primary/secondary/tertiary nursing interventions considering developmental level; and evaluate client outcomes.
- D. Adapt communication, interviewing, and health education strategies for the developmental level of pediatric clients and their families. Communicate effectively with children, families, and health care team members.
- E. Identify and analyze commonly occurring intra/inter/extrapersonal stressors and alterations in the physiological, sociocultural, developmental, and psychological variables of pediatric clients and their families.
- F. Assess the impact of stressors upon pediatric clients lines of defense and resistance and their position on the wellness-illness continuum.
- G. Serve as an advocate for pediatric clients using the Nursing Process to attain and maintain their optimum level of wellness or to support dying with dignity.
- H. Discuss ethical considerations and nursing responsibilities related to child abuse.
- I. Perform first and second level medical-surgical and pediatric nursing skills/procedures adhering to the underlying principles of client safety, organization, and asepsis.

IV. CONTENT

- A. Introduction to Pediatric Nursing
 - 1. Evaluation of children's health and health care in the U.S.
 - 2. Principles of Pediatric Nursing Care
 - 3. Factors affecting child health/development
- B. Growth and Development of Children
 - 1. Major theories of child development
 - 2. Importance of play
 - 3. Areas of development
 - 4. Stressors with a negative impact upon development
- C. Pediatric Nursing Process
 - 1. Guidelines for effective communication with children
 - 2. Adaptation of assessment techniques and nursing interventions by developmental level
 - 3. Evaluation of growth and development
- D. Health Promotion for Children
 - 1. Childhood communicable diseases and immunizations
 - 2. Injury prevention
 - 3. Poisoning
- E. Stress of Hospitalization and Acute Illness
 - 1. Major stressors of hospitalization and acute illness and children's responses by developmental level
 - 2. Variations in nursing management for pediatric clients
- F. Genetic Influences on Health/Pediatric Alterations in Reproduction
 - 1. Mechanisms of chromosomal alterations
 - 2. Major single gene disorders
 - 3. Genetic syndromes and related nursing care
 - 4. Cognitive impairment, identification and interventions
 - 5. Structural reproductive alterations
- G. Pediatric Alterations in Oxygenation
 - 1. Variations in pediatric structure/function
 - 2. Common oxygenation alterations in children and nursing management
- H. Pediatric Alterations in Urinary Elimination
 - 1. Variations in pediatric structure/function
 - 2. Common Urinary Elimination alterations in children and nursing management
- I. Pediatric Integumentary Alterations
 - 1. Variations in pediatric structure/function
 - 2. Common integumentary alterations in children and nursing management
- J. Pediatric Musculoskeletal Alterations
 - 1. Variations in pediatric structure/function
 - 2. Common musculoskeletal alterations in children and nursing management
- K. Pediatric Alterations in Digestion and Bowel Elimination
 - 1. Variations in pediatric structure and function
 - 2. Common Digestive alterations in children and nursing management
- L. Pediatric Alterations in Circulation
 - 1. Variations in pediatric structure/function
 - 2. Common Circulation alterations in children and nursing management
 - 3. Impact of Circulatory disease on development
- M. Pediatric Alterations in Hematology
 - 1. Variations in pediatric structure/function
 - 2. Common Hematological alterations in children and nursing management
- N. Multi-variable Alterations during Childhood
 - 1. Non-Organic Failure-to-Thrive
 - 2. Child abuse/neglect
 - 3. Nurses legal and ethical responsibilities r/t child abuse

- O. Pediatric Alterations in Innervation
 1. Variations in pediatric structure/function
 2. Common Innervation alterations in children and nursing management
- P. Pediatric Alterations in Metabolism
 1. Common Metabolic alterations in children and nursing management
- Q. Pediatric Alterations in Immunity
 1. Development of immunity in children
 2. Variations in pediatric structure/function
 3. Common Immunity alterations in children and nursing management
- R. Children with a Chronic or Life-threatening Illness or Disability
 1. Psychological reactions to chronic disability or life-threatening illness
 2. Stages of adaptation
 3. Children's concept and reaction to death
 4. Reactions to life-threatening illness or death of a significant other
 5. Nursing care for the dying child and family
- S. Pediatric intravenous therapy
 1. Equipment variations (Metriset, T extension)
 2. Safety precautions
 3. IV Push skill, into HepLock and incompatible primary solution

V. METHODS OF INSTRUCTION

- A. Lecture
- B. Demonstration/return demonstration
- C. Discussion
- D. Readings, handouts
- E. Media, computer programs
- F. Written Assignments
- G. Case analysis
- H. Field trip
- I. Student-teacher conferences
- J. Supervised laboratory practice

VI. TYPICAL ASSIGNMENTS

- A. Written Developmental Assessment and Developmental Care Plan including: Erikson's and Piaget's developmental theory, fine and gross motor skills, language skills, and adaptive skills.
- B. Prepare a written Non-developmental Nursing Care Plan on assigned client. Individualize nursing interventions for child's developmental level
- C. In preparation for hospital laboratory experience, complete a Pediatric Data Sheet and Medication sheet for each client.
- D. Nursing care of assigned clients in the hospital laboratory
- E. Return demonstration of essential elements of third level nursing skills/procedures
- F. Child Development Center and Pediatric Outpatient Clinic field trip experience with written report

VII EVALUATION

- A. Methods of evaluation
 1. Examinations: objective, essay
 Typical examination question
 An 18 month-old child is admitted to the pediatric ward. After the nurse completed the nursing history and physical assessment the mother left to make a phone call. The child screams and cries loudly, attempts to follow after her mother, and hits the nurse. These behaviors are common in what stage of Separation Anxiety?

- a. regression
 - b. detachment
 - c. protest
 - d. despair
2. Graded written Developmental Assessments and Nursing Care Plan according to criteria
 3. Pediatric skills performance (all critical elements)
 4. Laboratory performance (hospital laboratory third level criteria)

VIII. TYPICAL TEXT(S)

Bindler R. & L. Howry, Pediatric Drugs and Nursing Implications, Englewood Cliffs, New Jersey: Appleton & Lange, 1996.

Bowden, V., et.al., Children and Their Families; the Continuum of Care, Philadelphia: W.B. Saunders Co., 1998.

La Rocca, J.C., S.E. Otto, Intravenous Therapy, 3rd ed., St. Louis: C.V. Mosby, 1997.

Wong, Donna, et al., Nursing Care of Infants and Children, 6th ed., St. Louis: Mosby, Inc., 1999.

Wong, D. & L. Whaley, Clinical Manual of Pediatric Nursing, 4th ed., St. Louis: Mosby, Inc., 1997.

IX. OTHER SUPPLIES REQUIRED OF STUDENTS: uniform, stethoscope, bandage scissors