

Common Course Outline
NURN 226
Nursing Care of Children
4 Semester Hours

The Community College of Baltimore County

Course Credits: 4 credits 2 credit hours of Class room theory, 2 days per week- 30 clock hours
2 credit hours of Clinical, 2 days per week for 6 weeks: 6.5 hours each day, 1 week
for 6 hours per day- 90 clock hours

Course Pre-requisites: NURN 210, NURN 212, NURN 214

Course Description

Nursing Care of Children

Emphasizes a child-family centered approach from the infant through the adolescent; covers common disturbances in physiologic and developmental well-being, nursing interventions appropriate to the needs of the patient, current trends in health care, socio-cultural factors in health maintenance, and the promotion of optimal health and the quality of life. Provides clinical laboratory experience that reflects current focus and changing trends; gives students opportunity to implement nursing interventions in the care of children in preventative as well as restorative medicine.

Prerequisite: NURN 210, NURN 214.

Overall Course Objectives

Upon the completion of the course the student will be able to:

1. Recognize the constantly changing state of physiological and psychological well being of the children and their families. (Health Continuum-arm)
2. Collaborate with pediatric clients, families, and members of the health care team to design and deliver a plan of care. (Health Care System-arm)
3. Apply the nursing process as a problem solving method to provide effective care to pediatric clients and their families. (Nursing Process-arm)
4. Demonstrate responsible behaviors and a commitment to excellence in interactions with clients, families, colleagues and the health care team. (Professionalism-arm)
5. Analyze information in order to choose an appropriate plan of care. (Critical Thinking-thread)
6. Demonstrate effective communication in order to promote positive psychological and physiological outcomes for pediatric clients and their families. (Communication-arm)
7. Practice within ethical, legal and regulatory codes that govern society and health care delivery. (Ethical/Legal Aspects-thread)
8. Collaborate with families and the health care team to enable pediatric clients to achieve optimum health. (Health Promotion, Maintenance and Restoration- thread)
9. Identify pediatric client needs and stressors in order to implement a developmentally appropriate plan of care. (Human Needs, Life Cycle, Stress/Stressors- threads)

10. Identify appropriate resources to manage pediatric clients in a variety of health care settings. (Management/Delegation- thread)
11. Demonstrate satisfactory performance of commonly used pediatric nursing skills. (skills-thread)
12. Adapt nursing care after considering the client's and family's values, customs, culture and/or routines. (Socio-Economic-Cultural Factors- thread)
13. Utilize technology to increase the effectiveness and efficiency of health promotion and nursing care. (Technology- thread)
14. Design, implement, and evaluate teaching plans that enable pediatric clients and families to achieve established outcomes. (Teaching/Learning-thread)
15. Identify changing issues in health care that influence nursing practice of the pediatric client. (Trends-thread)

Major Topics

I. Introduction

- A. Trends
- B. Assessment
- C. Medication Administration
- D. Special Considerations for Nursing Care of the Child and the Family during Illness and Hospitalization

II. Health Promotion and Maintenance

- A. Infant
- B. Toddler
- C. Pre-school
- D. School-age
- E. Adolescent
- F. Communicable Diseases and Skin Disorders
 1. Chicken Pox
 2. Measles
 3. Rubella
 4. Mumps
 5. Pertussis
 6. Scarlet Fever
 7. Impetigo
 8. Tinea
- G. Immunizations

III. Cardiac

- A. Congestive Heart Failure
- B. Congenital Defects
 1. Increased Pulmonary Blood Flow
 - a. Atrial Septal Defect
 - b. Ventricular Septal Defect
 - c. Patent Ductus Arteriosus
 2. Obstructive Defects
 - a. Coarctation of the Aorta

- b. Pulmonary Stenosis
 - 3. Decreased Pulmonary Blood Flow
 - a. Tetralogy of Fallot
 - 4. Mixed Defects
 - a. Transposition of Great Arteries
 - C. Acquired Cardiovascular Disorders
 - 1. Kawasaki Disease
 - 2. Rheumatic Fever

IV. Cancer

- A. Leukemia
- B. Abdominal Tumors
 - 1. Wilms
 - 2. Neuroblastoma
- C. Bone Tumors
 - 1. Osteogenic Sarcoma
 - 2. Ewing Scarcoma
- D. Brain Tumors
 - 1. Medulloblastoma
 - 2. Astrocytoma
 - 3. Ependymoma
 - 4. Brainstem Glioma

V. Diabetes Mellitus

VI. Gastrointestinal

- A. Developmental preparation for surgery
- B. Tracheal Esophageal Fistula (T-E Fistula)
- C. Cleft Lip and Palate
- D. Intussusception
- E. Hirschsprungs Disease
- F. Gastroesophageal Reflux Disease (GERD)
- G. Pyloric Stenosis
- H. Appendicitis / Appendectomy
- I. Umbilical and Inguinal Hernias

VII. Genitourinary

- A. Minimal-Change Nephrotic Syndrome
- B. Acute Poststreptococcal Glomerulonephritis (APSGN)
- C. Urinary Tract Infection
- D. Hypospadias

VIII. Hematology

- A. ITP
- B. Iron Deficiency Anemia
- C. Hemophilia
- D. Sickle Cell Anemia

IX. Maltreatment

- A. Child Neglect

- B. Physical Abuse
- C. Sexual Abuse

X. Musculoskeletal

- A. Fractures
 - 1. Types
 - 2. Traction
 - 3. External Fixation Devices
 - 4. Casts
- B. Scoliosis

XI. Neurologic

- A. Sepsis
- B. Meningitis
- C. Hydrocephalus
- D. Neural Tube defects
- E. Subdural Hematoma
- F. Febrile Seizures
- G. Cerebral Palsy

XII. Poisonings

- A. Principles of Therapy
- B. Lead
- C. Examples and Treatment of Corrosives, Hydrocarbons and Plants
- D. Acetaminophen
- E. Salicylate
- F. Nursing Considerations

XIII. Respiratory

- A. Assessment
- B. Symptoms of Respiratory Distress
- C. Pharyngitis
- D. Tonsillectomy and Adenoidectomy
- E. Otitis Media
- F. Croup Syndromes
- G. Bronchiolitis
- H. Pneumonia
- I. Asthma
- J. Cystic Fibrosis

Course Requirements and Policies

This course is a required course in the Nursing Program. It is taken in either the second half of the third semester **or** the second half of the fourth semester. The use of technology is incorporated into the classroom and clinical environment.

Attendance

All students are expected to attend class, lab, and clinical experiences regularly and punctually to derive maximum benefit from instruction and to contribute to the learning process in each educational experience.

Theory Requirements:

1. Three (3) exams, the third of which will include a comprehensive component.
2. Four (4) quizzes

Clinical Requirements:

- (1) Attendance at all assigned clinical rotations.
- (2) Satisfactory performance in the clinical experience, as evidenced by a successful achievement on the NURN 226 Clinical Evaluation Tool.
- (3) Completion of written clinical assignments including:
 - (a) Portfolio for Clinical Learning which incorporates the arms of the nursing curriculum conceptual framework; Health Continuum, Nursing Process/Critical Thinking, Health Care Systems and Professionalism.
 - (b) Teaching project for School Nurse Experience.
 - (c) Nursing Case Study
 - (d) Clinical prep sheet
- (4) Computer Assisted learning activities
- (5) Skills Evaluation

Other Course Information

1. It is the student's responsibility to arrive on time for all quizzes and exams. Additional time will not be given to students arriving late for an exam. If a student is unable to take an exam at the scheduled time, arrangements must be made with the course coordinator, prior to the exam or within 24 hours for the scheduled exam. Please refer to the *Nursing Student Policy and Information Manual* for information on exam make-up.
2. Students will be held responsible for all policies and information included in the *Nursing Student Policy and Information Manual*.