

**Common Course Outline**  
**NURN 114**  
**Maternity and Pediatric Nursing Concepts**  
**5 Credits**

**The Community College of Baltimore County**

**Description**

**NURN 114 – 5 Credits – Maternity and Pediatric Nursing Concepts** prepares students to assume the role of the practical nurse in the care of child-bearing families and the pediatric patient. Content includes concepts of drug administration unique to these patients. Opportunities to apply theoretical knowledge and perform nursing skills are provided through faculty guided campus laboratory and off-campus learning experiences in acute and community health care settings that introduce the student to care of the child-bearing families and pediatric patients.

**5 Credits:** 3.5 credit hours theory (52.5 clock hours); 1.5 credit hours simulation lab/clinical (67.5 clock hours)

**Prerequisite:** NURN 112

**Overall Course Objectives**

Upon completion of this course students will be able to:

1. examine the role of the licensed practical nurse (LPN) in caring for the child-bearing family and the pediatric patient;
2. use nursing process and evidence-based resources to provide nursing care to the child-bearing family;
3. develop a plan of care for the child-bearing family that takes into account diversity and spiritual beliefs;
4. apply evidence-based interventions to promote proper nutrition for the neonate;
5. collaborate with members of the health care team to promote positive outcomes for the child-bearing family;
6. explain nursing care management of normal and common complications related to child-bearing;
7. describe factors that may adversely impact family adaptation;
8. plan and evaluate health promotion activities that contribute to the growth and development of infants and children;
9. promote advocacy for children and families in a variety of settings by collaborating with other health care providers;
10. use effective communication and caring behaviors to provide positive outcomes for children and families;
11. plan healthcare that respects the cultural and spiritual preferences of children and families;
12. demonstrate the safe administration of therapeutic medications using pharmacologic principles as they relate to children;

13. use nursing process to provide patient-centered nursing care to children with oxygenation, nutrition, perfusion, homeostasis, and neural regulation health issues;
14. practice the principles of safety required to prevent child /caregiver injury and achieve optimal patient care outcomes;
15. apply principles of effective teaching in meeting children and family learning needs;
16. apply principles of infection control to reduce the risk of infection to those receiving or providing health care; and
17. use technology and information management systems to provide quality care to pediatric patients.

## **Major Topics**

- I. Nursing Care During Child-bearing
  - A. Nurse's Role in Changing Maternal-Child Health Care Environment
  - B. Pregnancy
    1. Fetal Development
    2. Normal Physiological and Psychological Changes
    3. Assessment of Maternal Well Being during Pregnancy
    4. Assessment of Fetal Well Being during Pregnancy
    5. Hyperemesis Gravidarum
  - C. Labor and Birth
    1. Normal Physiological and Psychological Changes
    2. Assessment of Maternal Well Being during Labor & Birth
    3. Assessment of Fetal Well Being during Labor & Birth
    4. Cesarean Birth
  - D. Post-partum
    1. Normal Physiological and Psychological Changes
    2. Post-partum Hemorrhage
- II. Nursing Care during Neonatal Adaptation
  - A. Newborn Stabilization and Transition
    1. Normal Physiological and Psychological Changes
    2. Newborn Nutrition
      - a. Breast Feeding
      - b. Formula Feeding
  - B. Thermoregulatory Adaptation
  - C. Physiological Jaundice
- III. Nursing Care during Family Adaptation
  - A. Psychological Adaptation
  - B. Development of Positive Family Relationships
  - C. Post-partum Mood Disorders
  - D. Perinatal Loss
- IV. Nursing Care for Maternal Complications
  - A. Preterm Labor
  - B. Hypertensive Disorders
  - C. Bleeding Disorders
  - D. TORCH Infections (Toxoplasmosis, Other, Rubella, Cytomegalovirus, Herpes Simplex)

- E. Mastitis
- F. Gestational Diabetes
- V. Nursing Care for Newborn Complications
  - A. Small for Gestational Age
  - B. Large for Gestational Age
  - C. Respiratory Distress Syndrome
  - D. Meconium Aspiration Syndrome
  - E. Rh Sensitivity
  - F. Hypoglycemia
  - G. Screening for Inborn Errors of Metabolism
- VI. Nursing Care to Promote Child Health
  - A. Principles of Growth and Development
  - B. Foundations of Pediatric Nursing
    - 1. Assessment
    - 2. Communication for Children and Families
    - 3. Care of the Hospitalized Child
    - 4. Pain Management
    - 5. Health Promotion
      - a. Communicable Diseases
      - b. Immunizations
      - c. Normal Pediatric Nutrition
      - d. Childhood Obesity
  - C. Psychosocial Integrity
    - 1. Abuse and Neglect
  - D. Biophysical Concepts
    - 1. Neural Regulation
      - a. Meningitis
      - b. Cerebral Palsy
      - c. Neural Tube Defects
      - d. Hydrocephalis
      - e. Lead Poisoning
    - 2. Oxygenation
      - a. Croup Syndromes
      - b. Asthma
      - c. Cystic Fibrosis
      - d. Tonsillectomy and Adenoidectomy
      - e. Respiratory Syncytial Virus
    - 3. Perfusion
      - a. Congenital Defects
        - 1. Increased Pulmonary Blood Flow
          - a. Atrial Septal Defect
          - b. Ventricular Septal Defect
          - c. Patent Ductus Arteriosus
        - 2. Obstructive Defects - Coarctation of the Aorta
        - 3. Decreased Pulmonary Blood Flow - Tetralogy of Fallot
        - 4. Mixed Defects - Transposition of Great Arteries

- b. Iron Deficiency Anemia
- c. Sickle Cell Anemia
- d. Hemophilia
- 4. Elimination
  - a. Cleft Lip and Palate
  - b. Pyloric Stenosis
  - c. Esophageal Atresia
  - d. Hirschsprung Syndrome
  - e. Intusception
  - f. Appendicitis
  - g. Celiac Disease
  - h. Nephrotic Syndrome
- 5. Metabolism - Diabetes Mellitus
- 6. Cellular Regulation
  - a. Leukemia
  - b. Wilms Tumor
  - c. Bone Tumors
  - d. Brain Tumors
- 7. Infection Control
  - a. Otitis Media
  - b. Febrile Seizures
- 8. Mobility
  - a. Scoliosis
  - b. Club Foot

### **Course Requirements**

An overall grade of C (75.00%) or higher is required for satisfactory completion of the course. Grading procedures will be determined by the course faculty but will include the following:

#### **Grading/Exams:**

- Minimum of four theory exams. The exam average must equal 75.00% or higher to pass the course.
- Minimum of three quizzes.

#### **Written Assignments:**

- Minimum of two writing assignments such as care plans, teaching project and class presentation.
- Students are required to utilize appropriate academic resources.
- Citations are based on the American Psychological Association (APA) format.

#### **Simulation Lab/Clinical Requirements:**

- Attendance at all assigned clinical/laboratory experiences
- Satisfactory completion of all assignments
- Satisfactory performance in the clinical experiences