

Course Description

NUR2310L | Pediatric Nursing Clinical Lab | 1.00 credit

This course allows the student to apply the nursing process to the care of clients in selected pediatric clinical settings. Students will learn to observe cultural diversity and implement care to the pediatric client, family, and community through preventive, therapeutic, and palliative measures. Prerequisites: NUR1211, 1211L, 1214C or NUR1002, 1002L, 1141; Corequisites: NUR2310, 2420, 2420L, 2680L

Course Competencies:

Competency 1: The student will apply the nursing process and principles of growth and development in caring for infants and children by:

1. Implementing a plan of therapeutic play for children at various developmental stages
2. Recognizing the nurse's role in maintaining the child's developmental needs during hospitalization
3. Applying the "five rights" principles and pharmacological guidelines for pediatric drug administration
4. Discussing safety issues at various developmental stages

Competency 2: The student will identify common neurological disorders in infants and children by:

1. Demonstrating knowledge of etiology, diagnosis, and signs and symptoms of meningitis through patient care
2. Differentiating the structural alterations and clinical manifestations of spina bifida in the clinical setting
3. Assessing children in the clinical setting with mental retardation

Competency 3: The student uses nursing process in the nursing management of the child with congenital heart defects by:

1. Explaining the significance of the following assessment findings in a child with congenital heart defects: color, alterations in vital signs, auscultation of the heart, activities intolerance, edema, respiratory failure, inadequate nutrition, and failure to thrive
2. Demonstrating appropriate nursing intervention related to the following diagnostic tests: Cardiac Catheterization, Echocardiogram, and EKG3
3. Explaining the influence of the following nursing interventions that are necessary in the preparation for surgery and recovery of a child from surgery, which include: prevention of fatigue, prevention of infection, provision of adequate fluids and nutritional intake, parent education, emotional support, play therapy, control of congestive heart failure, compliance with pre-op and post-op teaching and physical care
4. Demonstrating knowledge of pharmacological approach in the treatment of the outcomes of the congenital heart defects through safe administration of medications appropriate for the child's age, including accurate drug calculation and dosages

Competency 4: The student will manage the care of children with selected respiratory disorders by:

1. Developing a nursing care plan for a child with a respiratory illness
2. Observing clinical manifestations of respiratory dysfunction
3. Applying the nursing process as a framework for providing care for a child with respiratory dysfunction
4. Recognizing the major signs and symptoms associated with respiratory infection in children
5. Demonstrating an understanding of monitoring devices related to the care of children with respiratory disorders
6. Participating in a collaborative, interdisciplinary team in planning the care of children with respiratory disorders, including delegation of responsibilities
7. Discussing the management of children with a foreign body aspiration
8. Correlating the incidence of foreign body aspiration to physical growth and development

Competency 5: The student will utilize the nursing process in the care of a child with changes in the gastrointestinal system and how the nutritional needs and elimination is met from infancy through adolescence by:

1. Incorporating the principles of fluid and electrolyte balance in their nutrition
2. Relating the nursing interventions with nursing problems as presented by the various GIT changes
3. Developing a nursing care plan for home follow-up care or home care of a child discharged from a hospital with peripheral infusions, hyperalimentations, ostomy bag, NGT, and PEG tube
4. Creating a nurse's home visit scenario and identify the patient's and family's health teaching needs
5. Role-playing possible therapeutic encounter during a home visit by a nurse

Competency 6: The student will implement an effective plan of care for a child who has a muscular-skeletal disorder by:

1. Assessing the clinical manifestations of children with muscular-skeletal disorders
2. Administering nursing care to children with muscular-skeletal disorders
3. Teaching the parents or caretaker ways to foster growth and development in children who have limited mobility

Competency 7: The student will demonstrate an understanding of the common disorders of the renal system found in children by:

1. Administering nursing care to children with urinary tract infections
2. Obtaining a history from a child with a disorder of the renal system
3. Determining the purpose of lab work and diagnostic tests with renal disorder

Competency 8: The student will identify common immunological disorders in infants and children by:

1. Demonstrating knowledge of etiology, diagnosis, and signs and symptoms of rheumatic fever
2. Implementing the immunization schedule to the nursing care plan for discharge

Competency 9: The student will apply the nursing process in the nursing care of a patient with hematologic disorders by:

1. Utilizing the knowledge results of diagnostic tests in implementing a plan of care for children receiving chemotherapy
2. Evaluating the effectiveness of treatments in alleviating pain

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning