

**NURSING 201: NURSING CARE OF SPECIAL POPULATIONS**  
**UNIT IV: PEDIATRIC NURSING**

**UNIT OBJECTIVES**

**AT THE COMPLETION OF THE UNIT, THE STUDENT:**

1. Identifies the nurse's role in caring for the neonate or child with a respiratory disorder or illness.
2. Describes common respiratory disorders and illnesses in neonates and children.
3. Describes common gastrointestinal disorders seen in neonates and children.
4. Discusses relevant nursing measures in caring for a neonate or child with a gastrointestinal disorder.
5. Describes the pathophysiology and nursing responsibilities relevant to pathological jaundice.
6. Differentiates between pathological and physiological jaundice.
7. Explains the importance and care of infants of diabetic mothers.
8. Discusses the nurse's role in the care of a neonate or child with an infection or communicable illness.
9. Explains the detrimental influences of maternal infection on the neonate and child.
10. Recognizes relevant nursing measures in caring for a neonate or child with a neurologic disorder.
11. Recognizes the nurse's role in the management of neonates and children with genitourinary disorders.
12. Describes common genitourinary disorders that occur in neonates and children.
13. Discusses the common musculoskeletal disorders in neonates and children.
14. Identifies the nurse's role in caring for a neonate or child with a musculoskeletal disorder.
15. Defines the concept of High-Risk Newborn.
16. Compares and contrasts preterm, small for gestational age, large for gestational age, and post term infants.
17. Discusses anatomic and physiologic variances, pathophysiology, diagnosis, prevention, and nursing management of high-risk infants.
18. Explains pathophysiology, nursing management, variations in growth & development, and impact of the newborn with a congenital anomaly.
19. Discusses the care of the newborn and child with a congenital heart defect and potential complications.

20. Describes the nurse's role in the management of neonates and children with cardiovascular disorders and illnesses.
21. Identifies relevant nursing measures in caring for a child with a hematologic disorder.
22. Discusses the nurse's role in the management of children with diabetes.
23. Describes the common neurologic disorders in neonates and children.
24. Identifies the pathophysiology of inborn errors of metabolism and various hereditary diseases.
25. Explains the importance of early diagnosis and management of the child with a genetic disorder.
26. Identifies resources available for a child with a genetic disorder, chronic disease, or acute illness.

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p><b>Unit IV Pediatric Nursing:</b>  <b>Theory Hours- 34.25</b>  <b>Clinical Hours- 0.5</b></p> <p><b>PART I</b></p> <p>I. High Risk Newborn</p> <p>    A. High Risk Newborn</p> <p>        i. Definition</p> <p>        ii. Levels of Care</p> <p>        iii. Thermoregulation</p> <p>    B. Small for Gestational Age Infants (SGA)</p> <p>        i. Factors Associated with SGA</p> <p>        ii. Characteristics</p> <p>        iii. Problems Associated with SGA Infants</p> <p>        iv. Prognosis</p> <p>    C. Large for Gestational Age Infants (LGA)</p> <p>        i. Causes</p> <p>        ii. Problems Associated with LGA Infants</p> <p>    D. The “Postmature” Infant</p> <p>        i. Characteristics</p> <p>        ii. Problems Associated with Postmaturity</p> <p>    E. The Premature</p> <p>        i. Definition</p> <p>        ii. Incidence/Causes</p> <p>        iii. Physical Characteristics</p> <p>        iv. Physiologic Differences and Care</p> <p>            1. Fluid &amp; Electrolyte Balances</p> <p>            2. Nutrition</p> <p>            3. Immunologic</p> <p>            4. Hematologic</p> <p>            5. Jaundice</p> <p>            6. Respiratory</p> <p>            7. Emotional Aspects</p> <p>            8. Growth &amp; Development/Progress</p>	<p>Independent Learning:  Thermoregulation  Game based Learning:  High Risk Newborn  Kahoot</p> <p>Group work- ATI Active  Learning Templates</p>	<p>OB/Peds Clinical  Observations</p> <p>Pre/Post Conference</p> <p>ATI Engage Pediatrics</p> <p>Class Prep:  Thermoregulation</p> <p>Next Gen NCLEX Style  Questions (PHLW: pp.  631)</p>	<p>Class  Preparation</p> <p>Clinical  Evaluation</p> <p>Simulation</p> <p>ATI Real-Life</p> <p>Pre/Post  Conference</p>



CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p style="text-align: right;">j. Total Anomalous Pulmonary Venous Connection  k. Truncus Arteriosus  l. Hypoplastic Left Heart Syndrome  6. Complications of Congenital Heart Defects  7. Care of the patient and family with a congenital heart defect</p> <p><b>PART II</b></p> <p>II. Newborn</p> <p style="padding-left: 20px;">A. Newborn Immune System</p> <p style="padding-left: 40px;">i. Immunity in the Newborn  ii. Perinatal Infections</p> <p style="padding-left: 20px;">B. Newborn Reproductive System</p> <p style="padding-left: 40px;">i. Normal Variations  ii. Congenital Adrenal Hyperplasia</p> <p style="padding-left: 20px;">C. Newborn Respiratory System</p> <p style="padding-left: 40px;">i. Basic Overview</p> <p style="padding-left: 60px;">1. Fetal Lung Fluid  2. Stimuli for Respirations  3. Initiation of Respirations  4. Fetal Lung Maturity  5. Assessment of Respirations</p> <p style="padding-left: 40px;">ii. Respiratory Conditions of the Neonate</p> <p style="padding-left: 60px;">1. Transient Tachypnea of the Newborn  2. Respiratory Distress Syndrome (RDS)  3. Pneumonia</p> <p style="padding-left: 40px;">iii. Respiratory System Anomalies</p> <p style="padding-left: 60px;">1. Choanal Atresia  2. Diaphragmatic Hernia</p>	<p>Visual based learning:  Patient/Family perspective - HLHS</p> <p>Interactive Lecture</p>		<p><b>Quiz</b></p> <p><b>Unit IV</b>  <b>Exam #1 (9)</b></p>

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<ul style="list-style-type: none"> <li>iv. Newborn Complications               <ul style="list-style-type: none"> <li>1. Meconium Aspiration Syndrome (MAS)</li> </ul> </li> <li>D. Newborn Gastrointestinal System               <ul style="list-style-type: none"> <li>i. Anatomy/Assessment Review</li> <li>ii. Conditions                   <ul style="list-style-type: none"> <li>1. Esophageal Atresia/TEF</li> <li>2. GERD</li> <li>3. Pyloric Stenosis</li> <li>4. Volvulus</li> <li>5. Hirschsprung's Disease</li> <li>6. Omphalocele/Gastroschisis</li> <li>7. Imperforate Anus</li> <li>8. Cleft Lip/Palate</li> <li>9. Failure to Thrive</li> </ul> </li> </ul> </li> <li>E. Newborn Hepatic System               <ul style="list-style-type: none"> <li>i. Jaundice in the Newborn                   <ul style="list-style-type: none"> <li>1. Pathological Jaundice</li> <li>2. Physiological Jaundice                       <ul style="list-style-type: none"> <li>a. Assessment/Diagnostics/ Treatment Measures</li> </ul> </li> <li>3. Other Conditions                       <ul style="list-style-type: none"> <li>a. Biliary atresia</li> </ul> </li> </ul> </li> </ul> </li> <li>F. Newborn Endocrine System               <ul style="list-style-type: none"> <li>i. Infants of Diabetic Mothers</li> <li>ii. Hypoglycemia in the Newborn</li> </ul> </li> <li>G. Newborn Neurological System               <ul style="list-style-type: none"> <li>i. Neural Tube Defects</li> <li>ii. Hydrocephalus</li> <li>iii. Spina Bifida</li> </ul> </li> <li>H. Newborn Genitourinary               <ul style="list-style-type: none"> <li>i. Hydrocele</li> <li>ii. Hypospadias/Epispadias</li> <li>iii. Exstrophy of the Bladder</li> </ul> </li> </ul>	<p>Beebe Policy Review</p>	<p>Class Preparation: Phototherapy education</p> <p>Next Gen NCLEX Style Questions (PHLW: pp. 255)</p>	



CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<ul style="list-style-type: none"> <li>i. Colic</li> <li>ii. Gastroesophageal Reflux</li> <li>iii. Pyloric Stenosis</li> <li>iv. Intussusception</li> <li>v. Meckel Diverticulum</li> <li>vi. Hirschsprung Disease</li> <li>vii. Hernias</li> <li>viii. Celiac Disease</li> <li>ix. Vomiting</li> <li>x. Diarrhea</li> <li>xi. Dehydration</li> <li>xii. Constipation</li> <li>xiii. Encopuresis</li> <li>xiv. Night Bottle Syndrome</li> <li>xv. Malnutrition</li> <li>xvi. Nutritional Deficiencies</li> <li>xvii. Parasites</li> </ul> <p>D. Childhood Hereditary Disorders</p> <ul style="list-style-type: none"> <li>i. Trisomy 21 (Down Syndrome)</li> <li>ii. Turner Syndrome</li> <li>iii. Cri-Du-Chat Syndrome</li> <li>iv. Tay-Sachs</li> <li>v. Klinefelter Syndrome</li> <li>vi. PKU</li> <li>vii. Galactosemia</li> <li>viii. Thalassemia</li> <li>ix. Severe Combined Immunodeficiency Disorder</li> <li>x. Muscular Dystrophy</li> <li>xi. Hemophilia</li> </ul> <p>E. Childhood Endocrine Disorders</p> <ul style="list-style-type: none"> <li>i. Diabetes in Children</li> </ul> <p>F. Childhood Neurological Disorders</p> <ul style="list-style-type: none"> <li>i. Reyes Syndrome</li> </ul>	<p>Collaborative Learning: Case Study</p>	<p>Class Preparation: Child Systems</p>	

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<ul style="list-style-type: none"> <li>ii. Cerebral Palsy</li> <li>iii. Craniosynostosis</li> <li>G. Childhood Renal Disorders <ul style="list-style-type: none"> <li>i. Wilm’s Tumor</li> <li>ii. Enuresis</li> <li>iii. Nephrotic Syndrome</li> <li>iv. Acute Glomerulonephritis</li> <li>v. Hemolytic Uremic Syndrome</li> </ul> </li> <li>H. Childhood Musculoskeletal Disorders <ul style="list-style-type: none"> <li>i. Osteogenesis Imperfecta</li> <li>ii. Legg-Calve Perthes Disease</li> <li>iii. Slipped Capital Femoral Epiphysis</li> <li>iv. Scoliosis</li> <li>v. Juvenile Rheumatoid Arthritis</li> </ul> </li> <li>I. Childhood Immune <ul style="list-style-type: none"> <li>i. Communicable Diseases <ul style="list-style-type: none"> <li>1. Viral Infections <ul style="list-style-type: none"> <li>a. Roseola</li> <li>b. Rubella</li> <li>c. Measles</li> <li>d. Varicella</li> <li>e. Erythema Infectiosum</li> <li>f. Hand Foot &amp; Mouth</li> <li>g. Mumps</li> <li>h. Poliomyelitis</li> </ul> </li> <li>2. Bacterial Infections <ul style="list-style-type: none"> <li>a. Scarlet Fever</li> <li>b. Pertussis</li> <li>c. Diphtheria</li> <li>d. Impetigo</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<p>Game based learning: Peds III Review Kahoot!</p>		<p><b>Quiz</b></p> <p><b>Unit IV</b></p> <p><b>Exam #3 (11)</b></p>