

**M.SC., NURSING- I YR**  
**CHILD HEALTH NURSING- THEORY**

**COURSE OUTCOME:**

This course is designed to assist students in developing expertise and in-depth understanding in the field of Pediatric Nursing. It will help students to appreciate the child as holistic individuals and develop skill to function as neonatal and pediatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Paediatric nursing.

S.NO	COURSE	LEARNERS OUTCOME
1.	<b>CHILD HEALTH NURSING</b>	<ol style="list-style-type: none"><li>1. Trace the historical development of pediatrics and pediatric nursing in India.</li><li>2. Analyze the current status of child health in India and the trends in pediatric care.</li><li>3. Identify and address ethical and cultural issues in pediatric care.</li><li>4. Advocate for the rights of children in healthcare settings.</li><li>5. Understand and implement national health policies, special laws, ordinances, national goals, five-year plans, and national health programs related to child health.</li><li>6. Perform thorough history taking for pediatric clients.</li><li>7. Conduct developmental, physical, nutritional, and family assessments</li><li>8. Explain the meaning of hospitalization for children and prepare them and their families for the experience.</li><li>9. Identify stressors and reactions related to developmental stages and plan appropriate play activities for ill hospitalized children.</li><li>10. Apply principles and practices of nursing care for hospitalized children and their families.</li><li>11. Explain the principles of growth and development, and understand various concepts and theories related to them.</li><li>12. Identify developmental tasks and special needs from infancy to adolescence and recognize developmental milestones.</li><li>13. Assess the growth and development of pediatric clients accurately.</li><li>14. Analyze factors affecting growth and development and apply this knowledge in clinical practice.</li></ol>

**M.SC., NURSING- I YR**  
**CHILD HEALTH NURSING-PRACTICAL**

S.NO	COURSE	LEARNERS OUTCOME
1.	<b>CHILD HEALTH NURSING</b>	<ol style="list-style-type: none"><li>1. Comprehend the concept, aims, and scope of preventive pediatrics.</li><li>2. Integrate maternal health practices that positively influence child health, focusing on antenatal preventive care.</li></ol>

		<ol style="list-style-type: none"> <li>3. Administer vaccinations following the expanded program on immunization/universal immunization program.</li> <li>4. Manage and maintain the cold chain for vaccines to ensure efficacy.</li> <li>5. Assess and meet the nutritional requirements of children, understanding changing patterns of feeding and the importance of exclusive breastfeeding.</li> <li>6. Provide nutritional education and health education to children and their families.</li> <li>7. Implement and support nutritional programs.</li> <li>8. Work with national and international organizations related to child health.</li> <li>9. Fulfill the role of a pediatric nurse in both hospital and community settings.</li> <li>10. Assess and document the profile and characteristics of newborn babies.</li> <li>11. Provide comprehensive nursing care for newborns at birth and throughout their early life, supporting the newborn and their family.</li> <li>12. Identify, classify, and manage high-risk newborns, including preterm, term neonates, and growth-retarded babies.</li> <li>13. Recognize and manage neonates with infections such as HIV &amp; AIDS, ophthalmia neonatorum, and congenital syphilis.</li> <li>14. Organize and provide neonatal care services, understanding the different levels of care and the importance of neonatal intensive care units (NICUs).</li> <li>15. Manage the transportation of neonates and ensure the efficient organization and management of nursing services within the NICU.</li> </ol>
--	--	---

### **M.SC., NURSING– II YR**

#### **COURSE OUTCOM:**

This course is designed to assist students in developing expertise and in - depth understanding in the field of Pediatric Nursing. It will help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions. It will enable the student to function as pediatric nurse practitioner/specialist. It will further enable the student to function as educator, manager, and researcher in the field of Paediatric nursing

### **CHILD HEALTH NURSING- THEORY**

<b>S.NO</b>	<b>COURSE</b>	<b>LEARNERS OUTCOME</b>
-------------	---------------	-------------------------

1.	<b>CHILD HEALTH NURSING</b>	<ol style="list-style-type: none"> <li>1. Perform assessments for both upper and lower respiratory tract disorders, such as choanal atresia, tonsillitis, bronchiolitis, and cystic fibrosis.</li> <li>2. Interpret diagnostic results from non-invasive (e.g., pulse oximetry) and invasive procedures (e.g., bronchoscopy).</li> <li>3. Administer appropriate treatments and nursing interventions for respiratory disorders, including medication administration and breathing therapies.</li> <li>4. Assess and manage children with gastrointestinal disorders including diarrheal diseases, gastro-esophageal reflux, and hepatic disorders.</li> <li>5. Interpret diagnostic tests related to gastrointestinal issues, such as liver function tests and imaging studies.</li> <li>6. Provide nursing care for conditions like malabsorption syndrome and malnutrition, including nutritional interventions and monitoring.</li> <li>7. Conduct assessments for renal and urinary tract disorders such as nephrotic syndrome and hydronephrosis.</li> <li>8. Interpret laboratory results and imaging studies related to renal function.</li> <li>9. Implement nursing care strategies for conditions including kidney transplantation and hemolytic-uremic syndrome.</li> <li>10. Assess and manage cardiovascular disorders in children, including both acquired conditions like rheumatic fever and congenital disorders like cyanotic heart defects.</li> <li>11. Interpret diagnostic tests such as echocardiograms and electrocardiograms.</li> <li>12. Apply nursing interventions and support for children undergoing cardiac treatments or surgery.</li> <li>13. Assess and manage endocrine disorders such as diabetes mellitus, hyperthyroidism, and phenylketonuria.</li> <li>14. Interpret metabolic panels and hormone level tests.</li> <li>15. Provide appropriate nursing care, including medication management and educational support for chronic conditions.</li> <li>16. Perform assessments for neurological disorders including convulsions, meningitis, and encephalitis.</li> <li>17. Interpret results from neurological diagnostic tests such as EEGs and lumbar punctures.</li> <li>18. Administer treatments and manage nursing care for neurological conditions, including seizure management and neurological assessments.</li> <li>19. Provide comprehensive nursing care, including chemotherapy administration, supportive care, and patient and family education.</li> </ol>
----	-------------------------------------	--

		<p><b>20.</b>Implement nursing interventions, including blood transfusions and patient education on managing chronic conditions.</p> <p><b>21.</b>Assess and manage pediatric surgical disorders such as cleft lip/palate, tracheoesophageal fistula, and spina bifida.</p> <p><b>22.</b>Interpret diagnostic results from trauma-related tests and imaging.</p> <p><b>23.</b>Provide emergency care and nursing interventions for trauma cases, including stabilization and coordination of care.</p> <p><b>24.</b>Manage and care for stomas, catheters, and tubes, including assessment and troubleshooting.</p> <p><b>25.</b>Educate families on the care and maintenance of these devices to prevent complications.</p>
--	--	--

### **CHILD HEALTH NURSING- PRACTICAL**

<b>S.NO</b>	<b>COURSE</b>	<b>LEARNERS OUTCOME</b>
<b>1.</b>	<b>CHILD HEALTH NURSING</b>	<p>1. Demonstrate correct insertion and removal of an oro-pharyngeal airway.</p> <p>2. Assess and manage the effectiveness of airway management in neonates and children.</p> <p>3. Administer oxygen therapy safely and effectively, adjusting flow rates as necessary.</p> <p>4. Monitor and evaluate the response to oxygen therapy.</p> <p>5. Set up and manage CPAP for neonates with respiratory distress.</p> <p>6. Monitor the effects of CPAP on airway and respiratory function.</p> <p>7. Perform tracheostomy care, including cleaning, suctioning, and changing tracheostomy tubes.</p> <p>8. Monitor for complications and provide appropriate interventions.</p> <p>9. Perform endotracheal intubation with correct technique and confirm tube placement.</p> <p>10. Manage ventilation and monitor for potential complications post-intubation.</p> <p>11. Perform neonatal resuscitation according to established guidelines, including the use of resuscitation equipment.</p> <p>12. Assess and manage the neonate's response to resuscitation efforts.</p> <p>13. Utilize clinical skills and monitoring equipment to assess neonates, including evaluating capillary refill time (CRT), jaundice, and ECG.</p> <p>14. Interpret monitoring data to guide clinical decisions.</p> <p>15. Conduct a thorough assessment of neonates, including APGAR scoring, gestational age estimation, anthropometric measurements, and examination for congenital abnormalities.</p> <p>16. Identify and document risk factors and life-threatening conditions.</p>

		<ol style="list-style-type: none"> <li>17. Perform gastric lavage safely and effectively, understanding indications and potential complications.</li> <li>18. Monitor and evaluate the patient's response to the procedure.</li> <li>19. Set up and adjust ventilators for neonates, including understanding ventilator settings and modes.</li> <li>20. Monitor and adjust ventilatory support based on patient needs and responses.</li> <li>21. Set up and administer phototherapy for neonates with jaundice.</li> <li>22. Monitor and document the effectiveness and any side effects of phototherapy.</li> <li>23. Manage various feeding methods including breastfeeding, artificial feeding, and gavage feeding.</li> <li>24. Perform and assist with procedures such as OG tube insertion and TPN administration.</li> <li>25. Provide breastfeeding counseling and support to parents.</li> <li>26. Monitor and manage neonatal thermoregulation using axillary temperature measurements, radiant warmers, and incubators.</li> <li>27. Implement Kangaroo Mother Care (KMC) and other methods to maintain appropriate body temperature.</li> <li>28. Administer drugs via IM and IV routes, including proper dosage calculation and use of infusion pumps.</li> <li>29. Monitor fluid therapy, blood administration, and document drug effects and any adverse reactions.</li> <li>30. Implement infection prevention procedures including hand washing, disinfection, and sterilization.</li> <li>31. Conduct surveillance and fumigation practices as needed.</li> <li>32. Collect specimens for diagnostic tests accurately and safely.</li> <li>33. Ensure proper labeling, handling, and processing of specimens.</li> <li>34. Set up, use, and maintain essential equipment such as ventilators, O2 analyzers, and phototherapy units.</li> <li>35. Demonstrate proper handling and upkeep of equipment including infusion pumps, radiant warmers, incubators, and other monitoring devices.</li> </ol>
--	--	--