

## Template for Course Plan (Pediatric Nursing (Theory))

### **I. Course Description:**

This course introduces pediatric illness and theoretical concepts related to it to nursing students. It is designed to provide knowledge related to pediatric care, these include introduction to principles of pediatric nursing, growth and development from infancy through adolescent, child nutrition and psychology, premature baby, genetic disorders and immunization. The course also includes different medical and surgical disorders as well as child emergencies.

### **I. Course content:**

#### **A – Theoretical Aspect:**

Order		Sub Topics List/ weekly	Number of Weeks	Contact hours
1	Pediatric Nursing, growth & development, Nutrition and Child Psychology	<p><b>Introduction to Pediatric Nursing</b></p> <ul style="list-style-type: none"> <li>▪ Concepts and Principles of Pediatric Nursing</li> <li>▪ Role of Pediatric Nurse</li> <li>▪ Nursery school</li> <li>▪ The reactions of child and family towards hospitalization and illness</li> </ul> <p><b>Growth and Development</b></p> <ul style="list-style-type: none"> <li>▪ Important &amp; Principles.</li> <li>▪ Factors affecting of Growth &amp; development.</li> </ul> <p><b>Normal growth &amp; development from conception to adolescence</b></p> <ul style="list-style-type: none"> <li>▪ Embryo</li> <li>▪ Normal Newborn</li> <li>▪ Stages of development:</li> <li>▪ Normal Infant, Toddler, Pre-School Stage, School Stage.</li> <li>▪ Normal Adolescence.</li> </ul> <p><b>Types of feeding of an infant:</b></p> <ul style="list-style-type: none"> <li>• Nutritional needs</li> <li>• Breast, Exclusive &amp; Supplementary/ feeding</li> <li>• Weaning</li> <li>• The common nutritional disorders of infants &amp; children and nursing care</li> </ul> <p><b>Child psychology</b></p> <ul style="list-style-type: none"> <li>▪ Childhood behavioral, developmental,</li> </ul>	4	12

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		<ul style="list-style-type: none"> <li>habit disorders</li> <li>▪ Child counseling</li> <li>▪ Causes of stress.</li> <li>▪ Pediatric Unit.</li> <li>▪ Nursing care plan of hospitalized Child.</li> </ul>		
2	Nursing Management of Premature baby, Genetic Disorders and immunization	<b>Premature baby</b> <ul style="list-style-type: none"> <li>▪ Predisposing Factors.</li> <li>▪ Classification</li> <li>▪ Problems associated with preterm infants</li> <li>▪ Assessment of high risk neonates</li> </ul>	2	6
		Midterm exam	1	2
		<b>Genetic Disorder</b> <ul style="list-style-type: none"> <li>▪ Common chromosomal disorders</li> <li>▪ Down's, Turner's, Klinefelter's, &amp; Edwards syndrome,</li> <li>▪ Genetic counseling</li> <li>▪ Albinism, Inborn errors of metabolism &amp; mental retardation</li> </ul>	2	6
		<b>Immunization Program</b> <ul style="list-style-type: none"> <li>▪ Immunization program</li> <li>▪ Cold chain</li> <li>▪ Under five clinic,</li> <li>▪ Well baby clinic,</li> <li>▪ Child Guidance Clinic</li> </ul>	2	6
3	Nursing Management of Children with Medical Disorders	<b>Nursing Management of Respiratory Disorders</b> <ul style="list-style-type: none"> <li>▪ Nasopharyngitis- Otitis Media</li> <li>▪ Croup, Bronchiolitis, Bronchitis, Pneumonia, TB, Bronchial Asthma, emphysema</li> </ul>		
		<b>Nursing Management of Children with Cardiovascular Disorders</b> <ul style="list-style-type: none"> <li>▪ Rheumatic Heart Disease,</li> <li>▪ Congestive Heart Failure,</li> <li>▪ Kawasaki disease.</li> </ul>	4	12
		<b>Nursing Management of Gastrointestinal Disorders</b> <ul style="list-style-type: none"> <li>▪ Abdominal Pain.</li> <li>▪ Oral Candidiasis.</li> <li>▪ Constipation.</li> <li>▪ Diarrhea, Dehydration.</li> <li>▪ Gastroenteritis, Malabsorption</li> </ul>		

		<p>syndrome, Hepatitis</p> <p><b>Nursing Management of Children with Blood Disorders</b></p> <ul style="list-style-type: none"> <li>▪ Anemia, Thalassemia, Hemophilia, Leukemia, Lymphomas</li> </ul> <p><b>Nursing Management of Endocrine Disorders:</b></p> <ul style="list-style-type: none"> <li>▪ Hyperthyroidism</li> <li>▪ Diabetes Mellitus.</li> <li>▪ Congenital Hypothyroidism.</li> </ul> <p><b>Nursing Management of Central Nervous System Disorders:</b></p> <ul style="list-style-type: none"> <li>▪ Meningitis.</li> <li>▪ Encephalitis.</li> <li>▪ Meningitis,</li> <li>▪ Convulsions, Epilepsy</li> </ul> <p><b>Nursing Management of Urinary System Disorders</b></p> <ul style="list-style-type: none"> <li>▪ Acute glomerulonephritis,</li> <li>▪ Nephrotic syndrome,</li> <li>▪ Renal failure</li> </ul> <p><b>Skin and Parasites:</b></p> <ul style="list-style-type: none"> <li>▪ Malaria – Impetigo</li> <li>▪ Ringworm, Tinea</li> <li>▪ Diaper Rash</li> <li>▪ Scabies</li> <li>▪ Pediculosis-Ascariasis</li> <li>▪ Oxyuriasis (Pin Worm).</li> </ul> <p><b>Nursing Management of Children with Common Communicable Diseases:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Bacteria:</b> Diphtheria, Pertussis, Tetanus, Scarlet fever</li> <li>▪ <b>Virus:</b> Chicken pox, Measles, German Measles, Mumps, Poliomyelitis</li> </ul>		
4	Pediatric Surgery and Child health emergencies	<p><b>Management of children with congenital disorders and diseases of</b></p> <ol style="list-style-type: none"> <li>1. Cardiovascular System: Ventricular &amp; Atrial Septal Defect, Patent Ductus Arteriosus</li> <li>2. Gastro intestinal system: Cleft lip &amp; palate, Tracheo-esophageal fistula, Pyloric stenosis, Intestinal obstruction, Diaphragmatic Hernia, Intussusception, Anorectal malformation, Hernias</li> </ol>	4	12

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		<p>3. Central Nervous System: Head injury, Hydrocephalus</p> <p>4. Genitourinary system: Obstructive Uropathy, Epispadias, Hypospadias</p> <p>5. Orthopedic Disorders: Club foot, Hip dislocation, Fracture</p> <p><b>Child health emergencies</b></p> <ul style="list-style-type: none"> <li>▪ Poisoning, foreign bodies, Suffocation <ul style="list-style-type: none"> <li>▪ Shock, hemorrhage</li> <li>▪ Falls &amp; Burn</li> </ul> </li> </ul>		
		<b>Final exam</b>	1	2
	<b>Number of Weeks /and contacts Hour Per Semester</b>		16	60

<b>B. Case Studies and Practical Aspect:</b>			
No.	Sub Topics List	Number of Weeks	Contact Hours
1	Pediatric Nursing, growth & development, Nutrition and Child Psychology	2	6
2	Nursing Management of Premature baby, Genetic Disorders and immunization	4	12
3	Nursing Management of Children with Medical Disorders	3	6
4	Pediatric Surgery and Child health emergencies	4	8
<b>Number of Weeks /and Units Per Semester</b>		16	32


