

**Subject No. 4**  
**CLINICAL SPECIALTY – I**  
**CHILD HEALTH NURSING**  
**(PAEDIATRIC NURSING)**

Total Hours: 810

Theory Hours: 150

Clinical Hours: 660

**AIM:**

This course is designed to assist students in developing expertise and in-depth understanding of the Pediatric Nursing field. It will help students to appreciate the child as a holistic individual 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 Pediatric nursing.

**OBJECTIVES:**

At the end of the course the students are be able to:

- Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty
- Apply the concepts of growth and development in providing care to the pediatric clients and their families.
- Appreciate the child as a holistic individual
- Perform physical, development, and nutritional assessment of pediatric clients
- Apply nursing process in providing nursing care to neonates and children.
- Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
- Recognize and manage emergencies in neonates.
- Describe various recent technologies and treatment modalities in the management of high risk neonates.
- Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
- Prepare a design for layout and management of neonatal units
- Incorporate evidence based nursing practice and identify the areas of research in the field of pediatric / neonatal nursing
- Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team
- Teach pediatric nursing to undergraduate students and in-service nurses.

## **COURSE CONTENT**

### **UNIT I –INTRODUCTION:**

- Historical development of Pediatrics and Pediatric Nursing in India.
- Current status of child health in India.
- Trends in Pediatrics and Pediatric Nursing.
- Ethical and cultural issues in pediatric care.
- Rights of children.
- National health policy for children, special laws and ordinances relating to children.
- National goals.
- Five year plans.
- National health programs related to child health.
- Role of family in child care.
- Community-based nursing of the child and family.
- Philosophy of pediatric care.

### **UNIT II -ASSESSMENT OF PEDIATRIC CLIENTS:**

- History taking
- Developmental assessment
- Physical assessment
- Nutritional assessment
- Family assessment
- Nursing process in care of children.
- **Respiratory assessment.**
- **Cardiac assessment.**
- **Neurological assessment.**
- **Pain assessment.**

### **UNIT III -NURSING MANAGEMENT OF THE SICK/ HOSPITALIZED CHILD:**

- Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family
- Stressors and reactions related to developmental stages, play activities for ill hospitalized child.
- Nursing care of hospitalized child and family -principles and practices.
- Difference between child and adult Care.

### **UNIT IV -PRE-NATAL PEDIATRICS:**

- Embryological and fetal development, Prenatal factors influencing growth and development of fetus.
- Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling, legal and ethical aspects of genetic screening and counseling, role of nurse in genetic counseling.

- Importance of prenatal care and role of pediatric nurse.

**UNIT V -GROWTH AND DEVELOPMENT OF CHILDREN:**

- Principles of growth and development,
- Concepts and theories of growth and development: Biophysical Psycho-social theories, psychosexual theories, Moral development theories Cognitive development theories Spiritual theories.
- Developmental tasks and special needs from infancy to adolescence, developmental milestones,
- Assessment of growth and development of pediatric clients,
- Factors affecting growth and development.
- Growth Monitoring.
- Role of play in growth and development of children.

**UNIT VI -BEHAVIORAL / SOCIAL PEDIATRICS AND PEDIATRIC NURSING:**

- Parent child relationship,
- Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, battered child.
- Child guidance clinic.
- Common behavioral and social problem and their management.

**UNIT VII -PREVENTIVE PEDIATRICS AND PEDIATRIC NURSING:**

- Concept, aims and scope of preventive pediatrics,
- Maternal health and its influence on child health antenatal aspects of preventive pediatrics,
- Immunization, expanded program on immunization/ universal immunization program and cold chain,
- Nutrition and nutritional requirements of children, changing patterns of feeding, baby-friendly hospital initiative and exclusive breast feeding, Artificial feeding, Weaning.
- Health education, nutritional education for children
- Nutritional programs
- National and international organizations related to child health.
- Role of pediatric nurse in the hospital and community.
- Mortality among children, MCH indicators, Recent trends in MCH services.
- Fluid and electrolyte balance in Children.
- Organization and setup of cratch.
- Revision of common Communicable diseases

**UNIT VIII -NEONATAL NURSING:**

- Concept and Scope of Neonatology nursing.
- Neonatal Screening.
- New born baby- profile and characteristics of the new born,
- Assessment of the new born,

- Nursing care of the new born at birth, care of the new born and family,
- High risk newborn- pre term and term neonate and growth retarded babies,
- Identification and classification of neonates with infections, HIV & AIDS, Ophthalmic neonatorum, congenital syphilis.
- High risk new born- Identification, classification and nursing management
- Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU.
- Neonatal resuscitation.
- Planning and organization of level I, II and III neonatal care units.
- Low birth weight babies.
- Transport of the high risk neonate to NICU.
- Neonatal infections prevention and management.
- NICU and environment
- Equipment and personnel management.
- Respiratory distress syndrome & HMD, Neonatal Hypoglycemia, Neonatal Hyperbilirubinemia, Common metabolic problems, Nutritional requirements, Neonatal seizures
- Neonatal mechanical ventilation, Thermo regulation, Follow up care and assessment of high risk infants.
- Nursing care of HIV & AIDS Client

**Unit IX -IMNCI:**

- Concept, Rationale for an evidence based syndromes approach & Components.
- Principles of IMNCI & Case management process.
- Principles of management of sick children in small hospital.
- Outpatient management of young infants age up to 2 months
- Outpatient management of children age 2 months up to 5 years.
- National Population policy 2000



CO2: Describe the current status of child health in India.	02	02	02	02	02	02	02
CO3: Write the trends in Pediatrics and Pediatric Nursing.	03	03	01	01	01	01	01
CO4: Explain the ethical and cultural issues in pediatric care.	02	03	02	02	02	02	02
CO5: Enumerate the rights of children.	03	03	03	03	03	03	03
CO6: Describe the National health policy for children, special laws and ordinances relating to children.	02	02	02	02	02	02	02
CO7: Explain the National goals.	02	02	02	02	02	02	02
CO8: Describe the five year plans.	02	02	02	02	02	02	02
CO9: Explain the National health programs related to child health.	02	02	02	02	02	02	02
CO10: Write the role of family in child care.	02	02	02	02	02	02	02
CO11: Explain the community-based nursing of the child and family.	01	01	01	01	01	01	01
CO12: Describe the philosophy of pediatric care.	01	01	01	01	01	01	01
<b>II (10hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Understand the deviation of growth and development. <b>Skill:</b> Prepare good nursing care plan in the illness process.	<b>Assessment of pediatric clients</b> <ul style="list-style-type: none"> <li>• History taking. (1 hour)</li> <li>• Developmental assessment. (1 hour)</li> <li>• Physical assessment. (1 hour)</li> <li>• Nutritional assessment. (1 hour)</li> <li>• Family assessment. (1 hour)</li> <li>• Nursing process in care of children.(1 hour)</li> <li>• Respiratory assessment. (1 hour)</li> <li>• Cardiac assessment. (1 hour)</li> <li>• Neurological assessment. (1 hour)</li> </ul>					

		• Pain assessment. (1 hour)						
<b>Unit II: Assessment of pediatric clients</b>								
<b>Course Outcome</b>		<b>Program outcome</b>						
		Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO1: Explain the history taking.		02	02	02	02	02	01	01
CO2: Describe the developmental assessment.		02	02	02	02	02	01	01
CO3: Explain the physical assessment.		02	02	02	02	02	01	01
CO4: Describe the nutritional assessment.		02	02	02	02	02	01	01
CO5: Explain the family assessment.		02	02	02	02	02	01	01
CO6: Describe the nursing process in care of children.		02	02	02	02	02	01	01
CO7: Explain the respiratory assessment.		02	02	02	02	02	01	01
CO8: Describe the cardiac assessment.		02	02	02	02	02	01	01
CO9: Explain the neurological assessment.		02	02	02	02	02	01	01
CO10: Describe the pain assessment.		02	02	02	02	02	01	01
<b>III (10hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Distinguish the difference between the child and adult care. <b>Skill:</b> Create newer approach to the nursing care of child health.	<b>Hospitalized child</b> <ul style="list-style-type: none"> <li>• Meaning of hospitalization of the child, preparation for hospitalization, effects of hospitalization on the child and family. (3 hours)</li> <li>• Stressors and reactions related to developmental stages, play activities for ill hospitalized child. (3 hours)</li> <li>• Nursing care of hospitalized child and family -principles and practices. (2 hours)</li> <li>• Difference between child and adult Care. (2 hours)</li> </ul>						
<b>Unit III: Hospitalized child</b>								
<b>Course Outcome</b>		<b>Program outcome</b>						
		Clinician/	Professional	Communicator	Leader	Lifelong	Critical	Researcher

		Nurse educator			and member of the health care team and system	learner	thinker	
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO1: Explain the meaning of hospitalization of the child.		01	01	01	01	01	01	01
CO2: Describe the preparation for hospitalization.		02	02	02	02	01	01	01
CO3: Explain the effects of hospitalization on the child and family.		03	03	03	03	02	02	02
CO4: Write the stressors and reactions related to developmental stages.		02	02	02	02	02	02	02
CO5: Enumerate the play activities for ill hospitalized child.		02	02	02	02	01	01	01
CO6: Explain the nursing care of hospitalized child and family -principles and practices.		03	02	02	02	01	01	01
CO7: Describe the difference between child and adult Care.		03	02	02	02	01	01	01
<b>IV (15 hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Know the normal growth and development of fetus. <b>Skill:</b> Develop the process of genetic counseling.	<b>Pre-natal Pediatrics</b> <ul style="list-style-type: none"> <li>Embryological and fetal development, Prenatal factors influencing growth and development of fetus. (4 hours)</li> <li>Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling. (4 hours)</li> <li>Legal and ethical aspects of genetic screening and counseling, role of nurse in genetic counseling. (4 hours)</li> <li>Importance of prenatal care and role of pediatric nurse. (3 hours)</li> </ul>						
<b>Unit IV: Pre-natal Pediatrics</b>								

Course Outcome	Program outcome						
	Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO1: Define prenatal pediatrics	03	03	03	03	03	03	03
CO2: Discuss the stages of fetal growth and development	03	03	03	03	03	03	03
CO3: Describe formation and development of the embryonic and fetal structures.	03	03	03	03	03	03	03
CO4: Classify the genetic disorder.	03	03	03	03	03	03	03
CO5: Explain the factors affecting growth and development of fetus	03	03	03	03	03	02	03
CO6: Describe the counseling process in prenatal pediatrics.	03	03	03	03	03	03	03
CO7: Explain the type of Down's syndrome.	03	03	03	03	03	03	03
CO8: Explain the medical and nursing management of Down's Syndrome	03	03	03	03	03	02	02
CO9: Discuss the clinical manifestation of Klinfilters syndromes.	03	03	03	03	03	02	03

CO10: Explain the management of Klinfilters syndromes.		03	03	03	03	03	03	02
CO11: Explain the Patau's syndrome.		03	03	03	03	03	02	03
CO12: Describe the medical and nursing management of Patau's syndrome.		03	03	03	03	03	03	02
CO13: Explain the Edwards's syndrome.		03	03	03	03	03	02	03
CO14: Explain the common Turners syndrome.		03	03	03	03	03	03	02
CO15: Explain the Fragile X Syndrome.		03	03	03	03	03	02	02
<b>V (15 hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Describe principles, factors, concepts and theories of growth and development. <b>Skill:</b> Identify deviations of growth and development of children & educate & motivate parents for normal growth and development of pediatric clients. <b>Attitude:</b> Create the normal growth and development chart of the child.	<b>Growth and Development of children</b> <ul style="list-style-type: none"> <li>Principles of growth and development. (1 hour)</li> <li>Concepts and theories of growth and development: Biophysical, Psycho-social theories, psychosexual theories, Moral development theories Cognitive development theories Spiritual theories. (6 hours)</li> <li>Developmental tasks and special needs from infancy to adolescence, developmental milestones. (2 hours)</li> <li>Assessment of growth and development of pediatric clients. (2 hours)</li> <li>Factors affecting growth and development. (2 hours)</li> <li>Growth Monitoring. (1 hour)</li> <li>Role of play in growth and development of children. (1 hour)</li> </ul>						
<b>Unit V: Growth and Development of children</b>								
<b>Course Outcome</b>		<b>Program outcome</b>						
		Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health	Lifelong learner	Critical thinker	Researcher

				care team and system			
<b>CO-1:</b> Explain the principles of growth and development.	3	3	3	3	3	3	3
<b>CO-2:</b> Describe the concepts and theories of growth and development: Biophysical, Psycho-social theories, psychosexual theories, Moral development theories Cognitive development theories Spiritual theories.	3	3	3	2	3	3	2
<b>CO-3:</b> Identify developmental tasks and special needs from infancy to adolescence, developmental milestones.	3	3	3	3	3	3	3
<b>CO-4:</b> Explain the assessment of growth and development of pediatric clients.	3	3	3	3	3	3	3
<b>CO-5:</b> Recognize the factors affecting growth and development and describe Growth Monitoring.	3	3	3	3	3	3	2
<b>CO-6:</b> Explain the role of play in growth and development of children.	3	3	2	3	2	3	3
<b>VI (15 hrs)</b>	<p>At the end of unit students are able to</p> <p><b>Knowledge:</b> Know the concept of behavior and social pediatric nursing.</p>						
	<p><b>Behavioral Pediatrics and Pediatric Nursing</b></p> <ul style="list-style-type: none"> <li>• Parent child relationship. (3 hours)</li> <li>• Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, battered child. (5 hours)</li> <li>• Child guidance clinic. (2 hours)</li> <li>• Common behavioral and social problem and their management. (5 hours)</li> </ul>						
<b>Unit VI: Behavioral Pediatrics and Pediatric Nursing</b>							
<b>Course Outcome</b>				<b>Program outcome</b>			

	Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
CO-1: explain parent child relationship.	2	2	2	2	2	2	2
CO-2: Describe basic behavioral pediatric principles	2	2	2	2	2	2	2
CO-3: Explain specific behavioral pediatric concepts/disorders-	2	2	2	2	2	2	2
CO-4: Describe maternal deprivation,	2	2	2	2	2	2	2
CO-5: Explain failure to thrive,	2	2	2	2	2	2	2
CO-6: Describe child abuse,	2	2	2	2	2	2	2
CO-7: Explain battered child.	2	2	2	2	2	2	2
CO-8: Describe Child guidance clinic.	2	2	2	2	2	2	1
CO-9: Explain common behavioral and social problem and their management.	2	2	2	2	2	2	2
<b>VII (15 hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Know the programmes of preventive pediatrics. <b>Skill: Prepare</b> the parents to have a healthy child.	<b>Preventive Pediatrics and Pediatric Nursing</b> <ul style="list-style-type: none"> <li>• Concept, aims and scope of preventive pediatrics. (1 hour)</li> <li>• Maternal health and its influence on child health antenatal aspects of preventive pediatrics. (1 hour)</li> <li>• Immunization, expanded program on immunization/ universal immunization program and cold chain. (2 hour)</li> <li>• Nutrition and nutritional requirements of children, changing patterns of feeding, baby-friendly hospital initiative and exclusive breast feeding, Artificial feeding, Weaning. (2 hour)</li> </ul>					

	<ul style="list-style-type: none"> <li>• Health education, nutritional education for children. (1 hour)</li> <li>• Nutritional programs. (1 hour)</li> <li>• National and international organizations related to child health. (1 hour)</li> <li>• Role of pediatric nurse in the hospital and community. (1 hour)</li> <li>• Mortality among children, MCH indicators, Recent trends in MCH services. (2 hour)</li> <li>• Fluid and electrolyte balance in Children. (1 hour)</li> <li>• Organization and setup of cratch. (1 hour)</li> <li>• Revision of common Communicable diseases. (1 hour)</li> </ul>
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**Unit VII: Preventive Pediatrics and Pediatric Nursing**

Course Outcome	Program outcome						
	Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
<b>CO1:</b> Explain the concept of preventive pediatric.	3	3	2	2	2	1	1
<b>CO2:</b> Enlist the aims and scope of preventive pediatrics.	2	2	2	1	1	1	1
<b>CO3:</b> Determine maternal health and its influence on child health antenatal aspects of preventive pediatrics.	2	2	2	1	1	1	1
<b>CO4:</b> Recognize expanded program on immunization/ universal immunization program.	3	3	2	2	1	1	1
<b>CO5:</b> Recognize the storage and equipment of cold chain system.	2	2	1	1	1	1	1
<b>CO6:</b> Explain nutrition and nutritional requirements of children	2	2	2	1	1	1	1
<b>CO7:</b> Recognize baby- friendly hospital	2	2	2	1	2	1	1

initiative.							
<b>CO8:</b> Enlist the benefits of breast feeding	3	3	3	3	3	1	1
<b>CO9:</b> Enumerate the hazards of artificial feeding.	3	3	2	2	2	1	1
<b>CO10:</b> Describe weaning in infancy period.	3	3	2	2	1	1	1
<b>CO11:</b> Determine nutritional education for children	2	2	1	1	1	1	1
<b>CO12:</b> Create the nursing responsibilities in preventive pediatrics	3	3	1	1	1	1	1
<b>CO13:</b> Enumerate the nutritional programs for children.	2	2	1	1	1	1	1
<b>CO14:</b> Illustrate national and international organizations related to child health.	2	2	1	2	1	1	1
<b>CO15:</b> Role of pediatric nurse in the hospital and community.	3	3	2	2	1	1	1
<b>CO16:</b> Identify MCH indicators	2	2	1	1	1	2	2
<b>CO17:</b> Determine the recent trends in MCH services.	3	3	2	1	2	2	1
<b>CO18:</b> Explain the fluid and electrolyte balance in Children.	2	2	1	1	1	1	1
<b>CO19:</b> Organization and setup of crutch.	1	1	1	1	1	1	1
<b>CO20:</b> Describe common Communicable diseases in children.	2	2	1	1	1	1	1
<b>VIII (30 hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Understand the assessment of newborn and identify the problems of neonate. <b>Skill:</b> Organize the different levels of neonatal care units and Provide effective	<b>Neonatal Nursing</b> <ul style="list-style-type: none"> <li>• Concept and Scope of Neonatology nursing. (1 hour)</li> <li>• Neonatal Screening. (1 hour)</li> <li>• New born baby- profile and characteristics of the new born,</li> <li>• Assessment of the new born, (2 hour)</li> <li>• Nursing care of the new born at birth, care of the new born and family, (2 hour)</li> <li>• High risk newborn- pre term and term neonate and growth retarded babies, (2 hour)</li> <li>• Identification and classification of neonates with infections, HIV &amp; AIDS, Ophthalmia neonatorum, congenital syphilis. (2 hour)</li> </ul>					

	<p>nursing care to neonate with problems. Develop skill in neonatal resuscitation.</p> <p><b>Attitude:</b> Develop considerate attitude towards problem neonate and parents of such neonate and develop the neonatal resuscitation.</p>	<ul style="list-style-type: none"> <li>• High risk new born- Identification, classification and nursing management (1 hour)</li> <li>• Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU. (3 hour)</li> <li>• Neonatal resuscitation.(2 hour)</li> <li>• Planning and organization of level I, II and III neonatal care units. (1 hour)</li> <li>• Low birth weight babies.(2 hour)</li> <li>• Transport of the high risk neonate to NICU. (1 hour)</li> <li>• Neonatal infections prevention and management. (1 hour)</li> <li>• NICU and environment (2 hour)</li> <li>• Equipment and personnel management. (1 hour)</li> <li>• Respiratory distress syndrome &amp; HMD, Neonatal Hypoglycemia, Neonatal Hyper bilirubinemia, Common metabolic problems, Nutritional requirements, Neonatal seizures(2 hour)</li> <li>• Neonatal mechanical ventilation, Thermo regulation, Follow up care and assessment of high risk infants(2 hour)</li> <li>• Nursing care of HIV &amp; AIDS Client(2 hour)</li> </ul>
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**Unit VIII: Neonatal Nursing**

Course Outcome	Program outcome						
	Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
<b>CO-1:</b> Explain concept and Scope of Neonatology nursing and Neonatal Screening.	3	3	3	3	3	3	3
<b>CO-2:</b> Identify the new born baby- profile and characteristics of the new born and assessment of the new born.	3	3	3	3	3	3	3

<b>CO-3:</b> Explain the nursing care of the new born at birth, care of the new born and family,	3	3	3	3	3	3	3
<b>CO-4:</b> Explain the high risk newborn- pre term and term neonate and growth retarded babies. Identification and classification of neonates with infections, HIV & AIDS, Ophthalmia neonatorum, congenital syphilis	2	3	3	2	3	3	2
<b>CO-5:</b> Explain the high risk new born- Identification, classification and nursing management.	3	3	3	3	3	3	3
<b>CO-6:</b> Describe the organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU. Explain the Neonatal resuscitation.	3	2	3	3	3	3	3
<b>CO-7:</b> Explain the planning and organization of level I, II and III neonatal care units.	3	3	3	3	3	3	3
<b>CO-8:</b> Explain the Low birth weight babies.	3	3	3	3	3	3	3
<b>CO-9:</b> Transport of the high risk neonate to NICU. Neonatal infections prevention and management.	3	3	3	3	3	3	3
<b>CO-10:</b> NICU and environment Equipment and personnel management.	3	3	3	3	3	3	3
<b>CO-11:</b> Explain the Respiratory distress syndrome & HMD, Neonatal Hypoglycemia, Neonatal Hyper bilirubinemia, Common metabolic problems, Nutritional requirements, and Neonatal seizures.	3	3	3	3	3	3	2
<b>CO-12:</b> Neonatal mechanical ventilation, Thermo regulation, Follow up care and assessment of high	3	3	3	3	3	3	2

risk infants Nursing care of HIV & AIDS Client.								
<b>IX (30 hrs)</b>	At the end of unit students are able to <b>Knowledge:</b> Know the concept and principles of IMNCI <b>Skill:</b> Develop the reproductive and child health programme. <b>Attitude:</b> Provides the comprehensive nursing care to patient with infertility.	<b>IMNCI</b> <ul style="list-style-type: none"> <li>• Concept. (3 hour)</li> <li>• Rationale for an evidence based syndromes approach. (3 hour)</li> <li>• Components. (3 hour)</li> <li>• Principles of IMNCI. (3 hour)</li> <li>• Case management process. (4 hour)</li> <li>• Principles of management of sick children in small hospital. (3 hour)</li> <li>• Outpatient management of young infants age up to 2 months ( 4 hour)</li> <li>• Outpatient management of children age 2 months up to 5 years. (4 hour)</li> <li>• National Population policy 2000. (3 hour)</li> <li>• Reproductive and child health. (3 hour)</li> </ul>						
<b>Unit IX: IMNCI</b>								
<b>Course Outcome</b>		<b>Program outcome</b>						
		Clinician/ Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
<b>CO-1:</b> Explain the concept of IMNCI.		3	3	3	3	3	3	3
<b>CO-2:</b> Explain the rationale for an evidence based syndromes approach		3	3	3	3	3	3	3
<b>CO-3:</b> Enumerate the components of IMNCI.		3	3	3	3	3	3	2
<b>CO-4:</b> List down the principles of IMNCI		3	3	2	2	3	3	2
<b>CO-5:</b> Explain the case management process of IMNCI.		3	3	3	3	3	3	3
<b>CO-6:</b> Describe the principles of management of sick children in small hospital.		3	3	3	3	3	3	3
<b>CO-7:</b> Explain the outpatient management of young infants age up to 2 months.		3	3	3	3	3	3	3
<b>CO-8:</b> Explain the outpatient management of		3	3	3	3	3	3	3

children age 2 months up to 5 years.							
<b>CO-9:</b> Describe the National Population policy 2000.	3	3	3	3	3	3	3
<b>CO-10:</b> Explain the reproductive and child health.	3	3	3	3	3	3	3

**AREA AND DISTRIBUTION OF CLINICAL EXPERIENCE HOURS:**

<i>Sr. No.</i>	<i>Dept./Unit</i>	<i>No of weeksOf Posting</i>	<i>Total Clinical Hours</i>
1.	Pediatric Medicine Ward	4	120 Hours
2.	Pediatric Surgery Ward	4	120 Hours
3.	Labor Room	2	60 Hours
4.	Maternity Ward	2	60 Hours
5.	Pediatric OPD	2	60 Hours
6.	NICU	4	120 Hours
7.	Crèche /Day care Centre	1	30 Hours
8.	Child Guidance Clinic	1	30 Hours
9.	Emergency Department	2	60 Hours
Total		22 Weeks	660 Hours

**TEACHING STRATEGY:**

Total teaching hours: 810 Theory hours: 150 Clinical Experience: 660

**TEACHING METHODS:**

- Lecture, Seminar, Laboratory Demonstration, Group Discussion, Clinical Observation, Bed Side clinic, Clinical Presentations, Workshops, **Symbiotic interdepartmental scientific activity (SISA), Inter departmental case discussion (IDCD) & Syndicate journal club.**

**A.V. AIDS:**

- Overhead Projector, L.C.D, Computer Assisted Instruction, Flip charts, Posters, Black Board, Models, Simulation.

**ASSIGNMENTS:****Theory:**

Sr. No.	Assignment	No./Quantity	Marks per Assignment	Total Marks
1	Seminar	Four	1X50	200
2	Panel Discussion (Group Work)	One	1X25	25
3	Specialty related Journal (Article) presentation	Two	1X10	50
<b>Total Marks</b>				<b>275</b>

**Practical:**

Sr. No.	Assignment	No./Quantity	Marks per Assignment	Total Marks
1	Case Study	Two	1X25	50
2	Case presentation	Two	1X50	100
3	<b>Clinical Performance Evaluation</b>	<b>One</b>	<b>1X100</b>	<b>100</b>
4	Drug Study	One	1X100	100
5	Nursing Care plan	Two	1X25	50
6	Growth & developmental assessment	Two	1X50	100
7	Field Visit Reports	One	1X50	50
8	<b>Mini CEX</b>	<b>Three</b>	<b>1X10</b>	<b>30</b>
9	<b>DOPS</b>	<b>Three</b>	<b>1X00</b>	<b>30</b>

**LIST OF RECOMMENDED BOOKS:**

- Achar ST and Viswanathan -“Text book of Pediatrics; A Clinical Approach”
- Alexander N M, Brown MS;-“ Pediatric Physical Diagnosis for Nurses”
- Ball- “ Pediatric Nursing caring for children”
- Behrman, Richard K & Vaughan-”Nelson’s Textbook of Pediatrics”
- Blake G, Florence & Wright- “Essentials of Pediatric Nursing”
- Barbara EW- “Guidelines in the care of the low birth weight”
- Bowden Greenberg- “Pediatric Nursing Procedure”
- Browder J J- “Nursing care of children” F A Davis
- Cameron, Jelinek et al;-“Text Book of Emergency Pediatric Medicine”
- Cloherty, John P & Stark, Ann R-“Manual Neonatal care”
- David Hull &Johnstan D- “Essentials Of Pediatrics”
- Elizabeth Hurlock-“Child Development”
- Ghai O P-“Essential Text Book Of Pediatrics”
- Ghosh Shanti- “Nutrition and child care”
- Ghosh Shanti- “Know your child”
- GupteSuraj;-“Neonatal Emergencies”
- GupteSuraj-“A Short Text book of Pediatrics”
- Guha DK-“Neonatology”
- Guha DK- “Manual of Practical newborn Care”
- Hathfield N- “Introductory Pediatric Nursing”
- Helens CL & Roberts- “ Pediatric Nursing”
- Khilnany- “Practical approach to Pediatric Intensive Care”
- Kulkarni MC- “Manual of Neonatology”
- Klosner& Nancy Hathfield- “Introductory Maternity and Pediatric Nursing”
- Merenstein& Gardner-“Handbook of neonatal intensive care”
- Mcmillan, Fergin et al;-“ Oski’s Pediatrics-Principle & practice”
- Marlow Dorothy -“Textbook of Pediatric Nursing”
- Parthasarthy et al- “IAP Textbook of Pediatrics”
- Park’s “Text book of Preventive and Social medicine”
- Roberts KD Edwards JM- “Pediatric Intensive Care”
- Richard Polin-“Pediatric Secrets”
- Selekman- “Pediatric Nursing”
- Singh Meherban; “Care of Newborn”
- Singh Meherban; “Drugs Used in Children”
- Slota; “Core curriculum for Pediatric Critical Care Nursing”
- Speer; “Pediatric Care planning”
- Vidhyasagar&Sarnaik; “Neonatal & Pediatric Intensive Care”
- Wagle CS; “Short Text Book of Pediatrics” Vohra Book Centre,
- Whaley & Wong; “Nursing care of Infants and Children”
- Whaley, Lucilla F Donna L; “Essentials of Pediatric Nursing”
- Udani RH; “Neonatal Resuscitation”