

# CHILD HEALTH NURSING

Placement- SECOND YEAR

Time – 70 hour

## Course Description:-

This course is designed to help students develop and understanding of the concept of child health, the trends in child care and the health problems of children. This shall enable the students to meet the needs of the children, in health and sickness.

## General Objective:-

Upon completion of this course, the students shall able to:

1. Explain the concept of child health, the principles underlying child care trends in pediatric nursing.
2. Describe normal growth and development of children, so as to recognize deviations for normal health and care of healthy children
3. Demonstration skill in meeting the needs of the sick infants and children based on the IMNCI guidelines of GoI

**Total Hours: 70**

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
I	Understand the concept of the child health care, trends & emerging challenges for pediatric nurses  Describe the role of pediatric nurses in clinics, hospitals and community	<b>Introduction</b> a) Modern concept in child health care b) Trends in pediatric nursing c) Role of pediatric nurses in child care d) Emerging challenges, nursing process related to pediatric nursing e) Concept of preventive pediatric f) Vital statistics related to pediatrics as per the NRHS and GoI	5	Lecture cum discussions  Project on collection of vital statistics related to child health	Short answers  Objective type  Essay type
II	Describe the normal growth & development of children	<b>Growth &amp; Development</b> a) Definition, principles, factors affecting growth & development, techniques of assessment, plotting of growth chart	15	Lecture cum discussions  Role play  Videos  Plotting of growth chart	Short answers  Objective type  Essay type

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		<p><b>b) Infant:</b> Growth &amp; Development, health promotion, breast feeding &amp; weaning, immunization, infant and young child feeding</p> <p><b>c) Toddler :</b> Growth &amp; Development, nutrition counselling, toilet training, safety, prevention of accidents, play.</p> <p><b>d) Preschoolers</b> Growth &amp; development Daycare centers Role of Parents in sex education</p> <p><b>e) School ager</b> Growth &amp; development, rest, sleep, physical exercises &amp; activity, dental health, sex education</p> <p><b>f) Adolescent</b></p> <ul style="list-style-type: none"> <li>- Growth &amp; development, adaptation to puberty, menstrual hygiene, nutritional guidance, sex education,</li> <li>- Role of Parents in health promotion of adolescents</li> <li>- Control of iron deficiency anemia (WIFS guidelines)</li> </ul>			
III	<p>Describe the role of nurse in caring for a sick child</p> <p>Develop skill in carrying out nursing intervention while caring for pediatric age group.</p>	<p><b>The sick child</b></p> <ul style="list-style-type: none"> <li>a) Child's reaction to hospital</li> <li>b) Effect of hospitalization on the family of the child</li> <li>c) Role of nurse in helping child &amp; family in coping, with stress of hospitalization &amp; illness</li> </ul> <p><b>Pediatric procedures:</b></p> <ul style="list-style-type: none"> <li>a) Preparation of child for diagnostic tests, collection of specimens.</li> <li>b) Calculation &amp; Administration of oral &amp; parenteral medication</li> <li>c) Procedures related to feeding <ul style="list-style-type: none"> <li>- Katori&amp; Spoon</li> <li>- Ryle's tube &amp; gastrostomy</li> </ul> </li> </ul>	8	Lecture cum discussions  Demonstration  Simulation  Role play	Short answers  Objective type  Essay type  Return demonstration

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		d) Procedures relating to elimination - Enema - Colostomy irrigation e) Administration & analysis of oxygen concentration, steam inhalation, nebulization, f) Other procedures: - Pediatric Resuscitation - Surgical dressing			
IV	Describe the management of behavioral disorders and common health problems of children  Demonstrate skills in the prevention & implementation of medical & nursing management of behavioral disorders & common health problems.	<b>Disorders and health problems of a child</b> a) Infancy : - Failure to thrive - Diarrhea & Vomiting b) Childhood - Communicable diseases - Tonsillitis - Otitis media - Child abuse - Breath holding spasms - Enuresis, nail biting, thumb sucking, somnambulism - Protein Energy Malnutrition - Helminthic infections - Bites and stings - Pica - Tics c) Adolescent - Precocious puberty - Gynecomastia - Accident, sport injuries - Obesity & anorexia nervosa - Juvenile delinquency	6	Lecture cum discussions  Seminars	Short answers  Objective type  Essay type
V	Demonstrate skills in providing comprehensive nursing care to the children having congenital defects/ malformation	<b>Child with congenital disorders:</b> Etiology, signs and symptoms, diagnosis, complications and medical, surgical & nursing management of children with: - Malformations of CNS, cranial deformities, spina bifida, hydrocephalus, cerebral palsy, meningocoele. - Skeletal defects, cleft lip & cleft palate	15	Lecture cum discussions  Presentation of picture of congenital anomalies  Supervised clinical practices	Short answers  Objective type  Essay type

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		<ul style="list-style-type: none"> <li>- Gastro intestinal tract defects, fistula, anorectal malformations, hernia</li> <li>- Congenital hypertrophied pyloric stenosis</li> <li>- Defects of Genito-urinary Tract –hypospadiasis &amp; epispadiasis, extrophy of bladder, phimosis &amp; paraphimosis, cryptorchidism, polycystic kidney</li> <li>- Sexual abnormalities, ambiguous genitalia</li> <li>- Defects of cardio vascular system, cyanotic and acyanotic- TOF (Tetralogy of Fallouts), TGV (Transposition of Great Vessels), TAPVC, ASD, VSD, Coaetion of aorta, PDA</li> <li>- Orthopedic abnormalities - congenital talipusequinovarus, congenital dislocation of hips</li> <li>- Chromosomal abnormalities</li> <li>- Down's syndrome, Turner's syndrome.</li> </ul>			
VI	Demonstrate skills in providing comprehensive nursing care to children with various disorders & diseases	<p><b>Children with various disorders and diseases</b></p> <p>Etiology, signs and symptoms, complications, prevention, medical, surgical &amp;nursing management of :</p> <ul style="list-style-type: none"> <li>a) Renal System <ul style="list-style-type: none"> <li>- Nephrotic Syndrome</li> <li>- Acute Glomerulonephritis</li> <li>- ARF &amp; CRF</li> </ul> </li> <li>b) Resp. System <ul style="list-style-type: none"> <li>- URI and LRI</li> <li>- Asthma, Pneumonia</li> </ul> </li> <li>c) GI System <ul style="list-style-type: none"> <li>- Intestinal obstruction (Mechanical)</li> <li>- Hirschsprung's disease</li> <li>- Malabsorption Syndrome</li> <li>- Inflammatory conditions – appendicitis, Meckel's diverticulum, ulcerative colitis</li> <li>- Worm infestation</li> </ul> </li> </ul>	15	<p>Lecture cum discussions</p> <p>Presentation</p> <p>Clinical teaching,</p> <p>Simulation,</p> <p>Videos,</p> <p>Visit to Blind, Deaf &amp; dumb school &amp; rehabilitation centre</p>	<p>Short answers</p> <p>Objective type</p> <p>Essay type</p>

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		<p>d) CVS System</p> <ul style="list-style-type: none"> <li>- Rheumatic fever</li> <li>- CCF</li> <li>- Infective endocarditis</li> </ul> <p>e) Hematological System</p> <ul style="list-style-type: none"> <li>- Anemia</li> <li>- Leukemia,</li> <li>- Thalassemia</li> <li>- Hemophilia</li> <li>- Sickle cell anemia</li> <li>- Thrombocytopenic purpura</li> </ul> <p>f) Neurological System</p> <ul style="list-style-type: none"> <li>- Meningitis</li> <li>- Encephalitis</li> <li>- Convulsive disorders</li> <li>- Cranio-cerebral trauma</li> </ul> <p>g) Endocrine</p> <ul style="list-style-type: none"> <li>- Pituitary disorders</li> <li>- Hypo &amp; Hyperthyroidism</li> <li>- Juvenile Diabetes</li> <li>- Adrenal disorders</li> </ul> <p>h) Developmental problem</p> <ul style="list-style-type: none"> <li>- Handicapped children</li> <li>- Mental Retardation</li> <li>- Dyslexia</li> <li>- Hearing &amp; Vision impairment</li> </ul> <p>i) Others:</p> <ul style="list-style-type: none"> <li>- Fluid and electrolyte imbalance</li> <li>- Burns</li> </ul> <p>j) Problems with locomotion:</p> <ul style="list-style-type: none"> <li>- Poliomyelitis</li> <li>- Osteomyelitis</li> <li>- Kyphosis, lordosis, scoliosis</li> <li>- Fractures</li> </ul> <p>k) Pre and post operative care of children undergoing surgery.</p>			

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
VII	<p>Describe the various child welfare services provided by Governmental &amp; non Governmental agencies</p> <p>Explain the ethical &amp; legal implication in pediatric nursing</p>	<p><b>Child welfare services</b></p> <p>a) Child welfare services and agencies:</p> <ul style="list-style-type: none"> <li>- ICDS</li> <li>- Mid-day meal program</li> <li>- Balwadi, anganwadi</li> <li>- Day care centers</li> <li>- NPSP</li> </ul> <p>b) Law pertaining to Pediatrics:</p> <ul style="list-style-type: none"> <li>- National child labour policy</li> <li>- Child act.</li> <li>- Juvenile justice act</li> <li>- Internationally accepted rights of the child</li> <li>- Rehabilitation of delinquent &amp; destitute children</li> <li>- Adoption laws and services</li> <li>- Adolescent health programs – menstrual hygiene, WIFS program, adolescent safety program</li> </ul>	6	<p>Lecture cum discussions</p> <p>Visit to anganwadi schools, remand homes &amp; adoption centers</p>	<p>Short answers</p> <p>Objective type</p> <p>Essay type</p>

# CHILD HEALTH NURSING- PRACTICAL

**Placement- THIRD YEAR**

**Time – 320 hrs (8 weeks)**  
**Internship 96 hrs (2 weeks)**

<b>Areas</b>	<b>Duration</b>	<b>Objectives</b>	<b>Skill</b>	<b>*Assignments</b>	<b>Assessment methods</b>
Paediatric medicine ward	3 weeks	<ul style="list-style-type: none"> <li>• Perform physical assessment</li> <li>• Assist in diagnostic procedure and provide pre and post care related to diagnostic procedure</li> <li>• Administer the drugs • Provide health education</li> <li>• Perform basic resuscitation</li> </ul>	<ul style="list-style-type: none"> <li>- Taking pediatric History</li> <li>- Perform physical examination and assessment of children</li> <li>- Administration of oral, I/M, &amp; I/V, medicine/ fluid</li> <li>- Calculation of fluid requirements</li> <li>- Prepare different strengths of I.V. fluids</li> <li>- Apply restraints</li> <li>- Administer O2 inhalation by different methods</li> <li>- Feed children by katori (bowl) and spoon,pallada etc.</li> <li>- Collect specimens for common investigations</li> <li>- Assist with common diagnostic procedure</li> <li>- Teach mothers/ parents on balance diet for child of different age group</li> <li>- Oral rehydration therapy</li> <li>- Feeding &amp; weaning</li> <li>- Play therapy</li> <li>- Check vital signs</li> <li>- Give enema</li> <li>- Insert suppositories</li> </ul>	<p>Give care to assigned paediatric patients Nursing care plan-1 Case study or Presentation-1 Health talk-1</p>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of Nursing care plan, Case study, Health talk, Case presentation</li> <li>• Completion of activity record</li> </ul>

Areas	Duration	Objectives	Skill	*Assignments	Assessment methods
Paediatric surgery ward	3 weeks	<ul style="list-style-type: none"> <li>• Recognize different pediatric surgical condition</li> <li>• Provide pre and post operative care to children with common paediatric surgical conditions/ malformation</li> <li>• Counsel and educate parents</li> </ul>	<ul style="list-style-type: none"> <li>- Do bowel wash</li> <li>- Care for ostomies:</li> <li>• Colostomy irrigation</li> <li>• Ureterostomy</li> <li>• Gastrostomy</li> <li>• Enterostomy</li> <li>- Urinary catheterization and drainage</li> <li>- Feeding <ul style="list-style-type: none"> <li>• Nasogastric</li> <li>• Gastrostomy</li> <li>• Jejunostomy</li> </ul> </li> <li>- Care of surgical wound dressing</li> <li>- Suture removal</li> </ul>	<ul style="list-style-type: none"> <li>• Give care to three assigned paediatric surgical patients</li> <li>• Nursing care plan-1</li> <li>• Case study or presentation-1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of Nursing care plan, Case study, Case presentation</li> <li>• Completion of activity record</li> </ul>
Paediatric OPD/ Immunization room/ well baby clinic / adolescent clinic	4 weeks	<ul style="list-style-type: none"> <li>• Perform assessment of children, health development and anthropometric</li> <li>• Perform immunization</li> <li>• Give health education/ nutritional education</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of children</li> <li>- Health assessment</li> <li>- Developmental assessment</li> <li>- Anthropometric assessment</li> <li>- Immunization</li> <li>- Health/ nutritional education</li> </ul>	<ul style="list-style-type: none"> <li>• Health assessment of the child</li> <li>• Health talk - 1</li> <li>• IMNCI Module</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Completion of activity record</li> <li>• Assessment of the health talk.</li> </ul>