

FIRST YEAR

Subject No. 8
CHILD HEALTH NURSING

Total Teaching hours: 300

Theory hours: 60

Clinical hours: 240

AIM:

This course is aimed at developing an understanding of the modern approach to child care, the principles of child health nursing and the common problems of neonates and children in health and sickness.

OBJECTIVES:

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

1. Explain the modern concept of child care and the principle of child health nursing.
2. Describe the normal growth and development of children in various age groups.
3. Explain the physiological response of body to disease conditions in children.
4. Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions.
5. Identify the various preventive, promotive and rehabilitative aspects of child care and apply them in providing nursing care to children in hospital and in the community.
6. Manage healthy as well as sick neonates and children.

COURSE CONTENT:

Unit I - Introduction to Child Health Nursing:

- Modern concept of child care internationally accepted rights of the child. Changing trends in hospital care, preventive, promotive and curative aspects of child health Child morbidity and mortality rates. National policy and legislation's in relation to child health and welfare. National programmes related to child health and welfare. Differences between adult and child care. Hospital environment for a sick child and role of a pediatric nurse in caring for the hospitalized child.

Unit II - The Healthy Child:

- Growth & development. Principles & factors affecting growth & development. Assessment of growth and development. Growth & development from birth to adolescence, needs of normal children through stages of development and parental guidance. Growth chart. Nutritional needs of infants and children principles of pediatric nutrition. Breast feeding, Artificial feeding & weaning. Infancy, toddler, pre scholar, school age child and adolescents. Role of play in children - Need, importance and value of play, selection of play material and nurse's role. Preventive immunization. , Current immunization.

Unit III - Care of the Neonate:

- Characteristics and care of a newborn. Asphyxia neonatorum. Low birth weight infants. Neonatal resuscitation. Nursing management of common neonatal disorders. Neonatal jaundice & photo therapy. Neonatal sepsis & hypoglycemia. Organization of Neonatal units, Prevention & Control of infection. Critical care concept in child health.

Unit IV - Nursing Management of Common Childhood Illness:

a. **Respiratory diseases & disorders:**

- Acute bronchitis & Bronchiolitis
- Pneumonia
- Bronchial Asthma

b. Disorders of the gastro-intestinal system:

- Acute gastroenteritis, Tracheo esophageal fistula, Cleft lip and palate, Hypertrophic Pyloric Stenosis
Hirschsprung's disease & Intestinal Obstruction & Anorectal anomalies, worm infestations

c. Cardiovascular system:

- Rheumatic fever, **Rheumatic heart disease**, Congenital heart diseases, Congestive cardiac failure.

d. Disorders of Genito urinary System:

- Acute glomerulo nephritis, Nephrotic Syndrome, Wilm's tumour & Congenital disorders

e. Neurological disorders:

- Convulsions in children & Epileps, Meningitis & Encephalitis,
• Hydrocephalus, Meningocele and meningocele

f. Haematological disorders:

- Anaemia & Thalassemia, Idiopathic thrombocytic Purpura & Hemophilia, Leukaemia, **Nursing care for hematological disorder.**

g. Communicable Diseases in Children:

- Measles/rubella, Chicken pox. Diphtheria, whooping cough. Tetanus, Poliomyelitis, AIDS Tuberculosis.

h. Nutritional deficiency disorders.

- Protein energy malnutrition, Vitamin deficiency disorders (Rickets, scurvy, Vita. A deficiency disorders.
Preventive management of nutritional disorder.

i. Orthopedic Disorders

- CTEV (Club foot) , Congenital hip dislocation & Fractures.

j. Disorders of Skin, Eye & ENT

- **Skin** :Eczema, urticaria, scabies, pediculosis,
• **Eye & ENT** : Tonsillitis, Deafness, Otorrhoea, Otitis Media, Congenital Cataract, hypertelorism .

k. Endocrine Disorders: Juvenile Diabetes Mellitus

- l. Paediatric Emergencies:** Accidents, Poisoning, Stings & Bites Foreign bodies, Haemorrhage & Drowning,
Burns

m. IMNCI

Unit V - Management of behavioral problems in children:

- Enuresis, Encopresis, temper tantrums somnambulism, juvenile delinquency, Speech defects, tics, pica, antisocial behavior .Management of challenged children. Need for early diagnosis, treatment and rehabilitation of mentally challenged. Mental retardation. Physically challenged .Cerebral palsy. Socially challenged – Child abuse & child labour.

CHILD HEALTH NURSING P.B.BSC NURSING

Unit No. with total hours	Objectives	Contents with distributed hours						
		Must know 60%			Desirable to know 30%	Nice to know 10%		
I (7 hours)	At the end of unit students are able to Knowledge: Know the basic care of child health nursing Skill: Organize the principles of pre and post operative care of child health nursing.	Introduction to Child Health Nursing: <ul style="list-style-type: none"> • Modern concept of child care, internationally accepted rights of the child. Changing trends in hospital care, (1 hour) • preventive, promotive and curative aspects of child health, Child morbidity and mortality rates (1 hour) • National policy and legislation's in relation to child health and welfare. National programmes related to child health and welfare. (1hour) • Hospital environment for a sick child and role of a pediatric nurse in caring for the hospitalized child. (1 hour) 			•Principles of pre and post operative care of infants and children. (2 hour)	•Differences between adult and child care. (1 hour)		
Unit I- Introduction to Child Health 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
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO-1: Explain Modern concept of child care, Internationally accepted rights of the child and changing trends in hospital care. Describe preventive, promotive and curative aspects of child health and identify Child morbidity and mortality rates.		3	3	3	3	3	2	2
CO-2: Describe National policy and legislation's in relation to child health and welfare and enumerate		3	3	2	2	3	2	2

National programmes related to child health and welfare.										
CO-3: Explain Hospital environment for a sick child and Identify the role of a pediatric nurse in caring for the hospitalized child.		3	3		3	3	3	3		
CO-4: Recognize Principles of pre and post operative care of infants and children, differentiate between adult and child care.		3	3		3	2	3	2		
II (12 hours)	At the end of unit students are able to Knowledge: Know the normal growth and development of the child. Skill: Develop the nursing care regarding the nutritional needs. Attitude: Have a positive attitude regarding the preventive humanization.	Growth & development: <ul style="list-style-type: none"> Principles & factors affecting growth & development. (1 hour) Assessment of growth and development. Growth & development from birth to adolescence, needs of normal children through stages of development and parental guidance. (4 hour) Breast feeding, Weaning & Artificial feeding.(1 hrs) Preventive immunization. (1 hour) 				<ul style="list-style-type: none"> Nutritional needs of infants and children, principles of pediatric nutrition. (2 hour) Role of play in children - Need, importance and value of play, selection of play material and nurse's role. Current immunization(2 hour) 		<ul style="list-style-type: none"> Growth chart. (1 hour) 		
Unit II - The Healthy Child:										
Course outcome				Program outcome						
				Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
				PO1	PO2	PO3	PO4	PO5	PO6	PO7

CO-1: Identify the Principles & factors affecting growth & development and perform assessment of growth and development.		3	3	2	2	3	3	3
CO-2: Explain the Growth & development from birth to adolescence. Recognize the needs of normal children through stages of development, explain parental guidance and Growth chart		3	3	2	3	2	3	3
CO-3: Describe the Nutritional needs of infants and children and principles of pediatric nutrition. Explain Breast feeding, Weaning & Artificial feeding		2	3	3	2	2	2	3
CO-3: Explain Role of play in children - Need, importance and value of play, selection of play material and nurse's role.		2	2	3	2	2	2	3
CO-4: Define immunization. Explain type of immunization and Preventive immunization, describe cold chain and identify current immunization schedule.		2	3	2	3	3	2	3
III (10 hours)	At the end of unit students are able to Knowledge: Know the comprehensive nursing care of neonatal problems. Skill: Develop the skill of prevention of neonatal problems. Attitude: Predict and explain the critical care concept in child health.	Care of the Neonate: • Characteristics and care of a normal newborn.(1 hour) • Low birth weight baby & Kangaroo mother care. (2 hour) • Nursing management of common neonatal disorders. Neonatal jaundice & photo therapy, Neonatal sepsis & hypoglycemia. (3 hours)			Care of the Neonate: • Characteristics and care of a normal newborn. (1 hour) • Low birth weight baby & Kangaroo mother care. (2 hour) • Nursing management of common neonatal disorders. Neonatal jaundice & photo therapy, Neonatal sepsis & hypoglycemia. (3 hours)			
Unit III-Care of the Neonate								

Course outcome		Program outcome						
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO-1: Identify the Characteristics and explain the care of a normal newborn.		3	3	3	3	3	3	3
CO-2: Define Low birth weight baby Identify the clinical features and APGAR score. Explain care & Kangaroo mother care of LBWB.		3	3	3	3	3	3	3
CO-3: Enlist the common neonatal disorders define Neonatal jaundice etiological factors and Classify neonatal jaundice and differentiate between physiological and pathological jaundice. Explain the management of neonatal jaundice and describe the role of nurse child on photo therapy.		3	3	3	3	3	3	3
CO-4: Define Neonatal sepsis, etiological factors, clinical features diagnostic evaluation and management.		3	3	3	3	3	3	3
CO-5: Define hypoglycemia Identify clinical features diagnostic evaluation and explain management of hypoglycemia of neonates.		3	3	3	3	3	3	3
CO-6: Nursing management of common neonatal disorders. Neonatal jaundice & photo therapy, Neonatal sepsis & hypoglycemia.		3	3	3	3	3	3	3
IV (27 hours)	At the end of unit students are able to Knowledge: Know the different types of diseases in all the body systems. Skill: Develop nursing care according to disease aspect. Attitude: Identify the children who are in vulnerable group.	Nursing Management of Common Childhood Illness: a. Respiratory diseases & disorders: • Acute bronchitis & Bronchiolitis • Pneumonia • Bronchial Asthma (2 hours) b. Disorders of the gastro-intestinal system: • Acute gastroenteritis			h. Nutritional deficiency disorders. •Protein energy malnutrition Preventive management of nutritional disorder. •Vitamin deficiency disorders (Rickets, scurvy, Vita. A deficiency		k. Endocrine Disorders: •Juvenile Diabetes Mellitus (1hr) •Paediatric Emergencies: Accidents, l. Disorders	

	<ul style="list-style-type: none"> • Tracheo esophageal fistula • Cleft lip and palate • Hypertrophic Pyloric Stenosis • Hirschsprung’s disease & Intestinal Obstruction • Anorectal anomalies (2 hours) <p>c. Cardiovascular system:</p> <ul style="list-style-type: none"> • Rheumatic fever Rheumatic heart disease • Congenital heart diseases • Congestive cardiac failure. (3hours) <p>d. Disorders of Genito urinary System:</p> <ul style="list-style-type: none"> • Acute glomerulo nephritis • Nephrotic Syndrome • Wilm’s tumour & Congenital disorders (2 hrs) <p>e. Neurological disorders:</p> <ul style="list-style-type: none"> • Convulsions in children & Epilepsy • Meningitis & Encephalitis • Hydrocephalus, Meningocele and meningocele (2 hours) <p>f. Haematological disorders:</p> <ul style="list-style-type: none"> • Anaemia & Thalassemia, Nursing care for hematological disorder. • Idiopathic thrombocytic Purpura & Hemophilia • Leukaemia (2hours) <p>g. Communicable Diseases in Children: Measles/rubella, Chicken pox. Diphtheria, whooping cough. Tetanus, Poliomyelitis AIDS Tuberculosis (3 hours)</p>	<p>disorders) (2 hour)</p> <p>i. Orthopedic Disorders</p> <ul style="list-style-type: none"> • CTEV (Club foot) , Congenital hip dislocation • Fractures.(2hrs) <p>j. Eye & ENT Tonsillitis, Deafness, Otorrhoea, Otitis Media, Congenital Cataract, hypertelorism. (1 hours) worm infestations</p> <p>k. IMNCI (2 hour)</p>	<p>of Eczema, urticaria, scabies, pediculosis(1 hour) Poisoning, Stings & Bites Foreign bodies, Haemorrhage & Drowning, Burns (2 hours)</p>
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Unit IV-Nursing Management of Common Childhood Illness							
Course outcome				Program outcome			
	Clinician/Nurse educator	Professional	Communicator	Leader and member of	Lifelong learner	Critical thinker	Researcher

				the health care team and system			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO-1: Define respiratory diseases and disorders (Acute bronchitis, bronchiolitis, bronchopneumonia and Bronchial Asthma). Identify risk and etiological factors. Recognize the clinical features and Describe pathophysiology, enlist diagnostic evaluation. Explain medical management and formulate the nursing diagnosis on the basis of priority needs of child with diseases and disorders of respiratory systems.	3	3	3	3	3	3	3
CO-2: Explain about Disorders of the gastro-intestinal system Acute gastroenteritis, Tracheo esophageal fistula, Cleft lip and palate, Hypertrophic Pyloric Stenosis, Hirschsprung's disease & Intestinal Obstruction. Define, Identify etiological factors, clinical manifestation and classification. Describe pathophysiology and enlist diagnostic evaluation. Explain medical management and surgical management. Formulate the nursing diagnosis on the basis of priority needs of child with Disorders of the gastro-intestinal system.	3	3	3	3	3	3	3
CO-3: Define cardiovascular diseases. Identify jonh's criteria, clinical features and dignostic evaluvation. Classify Rheumatic heart disease and conginital heart diseasis , and explain the pathophysiology of Rheumatic fever, Congenital heart diseases and Congestive cardiac failure. assessment of cardiovascular system Explain preventive, and medical and surgical management. Formulate the nursing diagnosis on the basis of priority needs of child with cardiovascular Disorders.	3	3	3	3	3	3	3
CO-4: Explain Disorders of Genito urinary System (Acute glomerulo nephritis Nephrotic Syndrome Wilm's tumour & Congenital disorders) Define, identify etiological factors and clinical manifestation. . Explain pathophysiology and diagnostic evaluation. Explain medical and surgical management. Formulate	3	3	3	3	3	3	3

the nursing diagnosis on the basis of priority needs of child with Genito urinary Disorders and describe assessment and nursing care of child on dialysis.								
CO-5: Explain Neurological disorders. Define Convulsions in children & Epilepsy, Meningitis & Encephalitis, Hydrocephalus, Meningocele and meningomyelocele Identify the etiological factors and clinical manifestation. Explain pathophysiology and diagnostic evaluation. classify the Meningitis & Encephalitis, Hydrocephalus, Meningocele and meningomyelocele Differentiate between brudzinski's sign kernig's sign. Describe Preventive measurement. Explain medical and surgical management and pre and positive nursing care. Formulate the nursing diagnosis on the basis of priority needs of child with Neurological Disorders. Assessment of V P shunt.		3	3	3	3	3	3	3
CO-6: Explain Anemia & Thalassemia, .Idiopathic thrombocytic Purpura & Hemophilia, Leukaemia , Explain medical and surgical management Formulate the nursing diagnosis on the basis of priority needs of child with Hematological disorders. Explain Nursing care for hematological disorder and care of child with blood transfusion.		3	3	3	3	3	3	3
CO-7: Explain Communicable Diseases in Children (Measles/rubella, Chicken pox. Diphtheria, whooping cough. Tetanus, Poliomyelitis AIDS Tuberculosis. Formulate the nursing diagnosis on the basis of priority needs of child with communicable disorders. Explain about immunization and Anti tubercular treatment.		3	3	3	3	3	3	3
V (04 hours)	At the end of unit students are able to Knowledge: Know the health	Management of challenged children: Enuresis, Encopresis, temper tantrums somnambulism, juvenile delinquency, speech			•Socially challenged – Child abuse & child labour (1 hour)			

deviation of children. Skill: Describe the health problems of children when it is deviated.	defects, tics, pica, antisocial behavior.(1 hour) • Mentally challenged (1 hrs) • Physically challenged Cerebral palsy. (1 hrs)						
Unit V-Management of challenged children:							
Course outcome	Program outcome						
	Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO-1: Define Enuresis and Encopresis and its management. Define temper tantrums clinical feature and management Define speech defects identify problem faced by child and family. Explain management in speech defect and speech therapy.	3	3	3	2	2	3	3
CO-2: Define pica; identify etiological factor and explain management of pica.	3	2	2	2	2	2	1
CO-3: Define antisocial behavior identify causes and problems in Children and society.	3	2	3	3	3	3	3
CO-4: Define juvenile delinquency identify causes and explain management of juvenile delinquency.	3	3	3	3	3	3	3
CO-5: Mentally challenged Physically challenged.	3	3	3	3	3	3	3
CO-6: Define Cerebral palsy. Enumerate causes and classify the cerebral palsy and identify clinical Feature and explain management of cerebral palsy.	3	3	3	3	3	3	3

CO-7: Define Child abuse Enlist the etiology and identify clinical features and diagnostic methods and explain the effects and management of child abuse.	3						
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Distribution of Clinical Hours:

Clinical Experience	Total Hours-240	PRACTICUM	
		1. Pediatric Medical Unit	64
		2. Pediatric Surgical Unit	64
		3. Intensive pediatric critical unit	32
		4. NICU	32
		5. OPD (CWC/CGC)	24
		6. Visits:-various agencies i.e. crèches, schools, nurseries, special schools and handicapped etc	24

TEACHING STRATEGY:

Total teaching hours: 300 hours

Lecture: 60 hours

Clinical hours: 240 Hours

ASSIGNMENTS:

Theory:

Sr. No	Assignments	No./Quantity	Marks Per Assignment	Total Marks
1	Home assignment (1LAQ -10marks, 5SAQ-3marks & 5MCQ-1mark)	Two	30	60
2	Visit report (Center of mentally handicapped children.)	One	10	10
Total Marks				70

Practical:

Sr. No	Assignments	No./Quantity	Marks Per Assignment	Total Marks
1	Clinical Performance Evaluation	Three	50	150
2	Case Presentation	One	25	25
3	Case study	One	25	25
4	Nursing Care Plan	Two	20	40
5	Assessment of Growth and development (Any one upto age of 5 Years)	One	10	10
Total Marks				250

TEACHING METHODS:

- Lecture, Seminar, Laboratory Demonstration, Group Discussion, Clinical Observation, Bed Side clinic, Workshops, Simulation and Modified tutorial.

A. V. AIDS:

- Over head Projector, L.C.D, Computer Assisted Instruction, Flip charts, Posters, Black Board, Models, Mannequins.

LIST OF RECOMMENDED BOOKS:

- Text book of pediatrics -Marlow
- Nursing Care of Infants and Children –Wongs
- Textbook of Pediatric –Suraj Gupta
- Textbook of Pediatrics –O.P.Ghai
- Pediatric Nursing – Parul Datta