

COURSE TITLE: PAEDIATRICS AND PAEDIATRICS NURSING

Course code: PPN025

Course objective: to equip students with knowledge and skills of paediatric conditions and the management of a well and sick children.

Course Objective By the end of the course the student nurses should be able to:	Unit Title	Unit Objectives By the end of the Unit the student nurses should be able to:	Unit Topics
1. Describe the concept of paediatrics and paediatric nursing	1.0 Introduction to paediatrics and paediatric nursing.	1.1 Define key terms in paediatrics and paediatric nursing 1.2 Explain the historical development of paediatric nursing 1.3 Discuss the national health policies 1.4 Enumerate the rights of a child 1.5 Describe the concepts of paediatric nursing practice 1.6 Discuss the principles of Paediatrics and Paediatric nursing 1.7 Explain the importance of parent involvement in the care of children	1.1 Definition of key terms in paediatrics and paediatric nursing 1.2 Historical development of paediatric nursing 1.3 National health policies 1.4 Rights of a child 1.5 Concepts of paediatric nursing 1.6 Principles of paediatric nursing 1.7 Involvement of parents in the care of children
2. Describe growth and development of a child	2.0 The Growth and Development of a Child	2.1 Define key terms in the growth and development of a child 2.2 Explain the process of growth and development 2.3 Describe the physical assessment of the child 2.4 Discuss the monitoring of the health of children. 2.5 Outline the factors related to health promotion	2.1 Definition of terms in the growth and development of a child 2.2 Process of growth and development 2.2.1 Stages of physical growth and development - Neonate - Infant - Child - Adolescent 2.3 Physical assessment of the child 2.4 Monitoring the health of children 2.4.1 Nutrition 2.4.2 Feeding of infant and children 2.4.3 Methods of feeding - Cup and spoon

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			<ul style="list-style-type: none"> - Nasogastric tube - Parenteral feeding 2.4.4 Immunizations 2.4.5 Vitamin A supplementation 2.4.6 Deworming 2.5 Factors related to health promotion 2.5.1 Hygiene - Bathing of baby - Changing of napkins - Oral toilet 2.5.2 Training children in health habits 2.5.3 Environment 2.5.4 Growth monitoring tools
3. Describe the management of the new born	3.0 Management of the new born	3.1 Describe the assessment of the new born 3.2 Outline the health problems of the new born	3.1 Assessment of the newborn 3.2 Problems of the new born 3.2.1 Low birth weight 3.2.2 Prematurity 3.2.3 Small for dates 3.2.4 Asphyxia for dates 3.2.5 Respiratory distress syndrome 3.2.6 Neonatal jaundice 3.2.7 Hypoglycaemia 3.2.8 Hypothermia 3.2.9 Birth injuries 3.2.10 Common infections - Neonatal sepsis - Tetanus neonatorum - Ophthalmia neonatorum
4. Implement the expanded programme in immunization	4.0 Expanded programme in immunization	4.1 Describe the concept of immunology 4.2 Explain the EPI 4.3 Describe the immunization guidelines and schedules 4.4 Outline contraindications to immunizations	4.1 Review immunology 4.2 Introduction to EPI 4.3 Immunization guidelines and schedules 4.3.1 Target groups for vaccination 4.3.2 Vaccination schedule 4.3.3 Administration of Vaccine

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		4.5 Identify immunization strategies 4.6 Describe immunization campaigns 4.7 Explain the cold chain 4.8 Evaluate immunization programme 4.9 Report effectively and keep records	4.3.4 Side effects 4.3.5 School health and nutrition program 4.4 Contraindications to Immunizations 4.5 Immunizations strategies 4.5.1 Strategy A Static unit 4.5.2 Strategy B Mobile unit 4.5.3 Strategy C School health services 4.5.4 Strategy D Women of child bearing age 4.5.5 Reaching every district (RED) 4.5.6 Reaching every child (RED) 4.6 Immunizations campaigns 4.7 The cold chain 4.7.1 Definition 4.7.2 Refrigerator maintenance 4.7.3 Equipment sterilization 4.8 Evaluation of immunization programme 4.9 Record keeping and reporting.
5. Discuss the management of the sick child	5.0 Management of the sick child	5.1 Discuss the admission of the child 5.2 Enumerate the assessment of the child 5.3 Demonstrate the calculation and administration of medicines 5.4 Describe the administration of oxygen, steam inhalation and nebulizing 5.5 Identify different conditions affecting the child 5.6 Discuss HIV and AIDS in children 5.7 outline the management of paediatric emergencies	5.1 Admission of the child 5.2 Assessment of the child 5.3 Calculation and administration of medicines 5.4 Administration of oxygen, steam inhalation and nebulizing 5.5 Common Conditions affecting the child 5.5.1 Respiratory system - Common cold - Pharyngitis - Laryngitis - Layrngngo-tracheo bronchitis - Pneumonia - Atelectasis - Tuberculosis

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			<ul style="list-style-type: none"> - Asthma 5.5.2 Allergies 5.5.3 Gastro intestinal system - Diarrhoeal diseases and fluid therapy - Worm infestations - Constipation 5.5.4 Nutritional disorder - Protein Energy malnutrition etc 5.5.5 Cardiovascular system - Congenital heart diseases - Rheumatic heart diseased - Chorea 5.5.6 Blood diseases - Anaemia - Sickle cell disease - Leukaemia - Bleeding disorders 5.5.7 The urinary system - Urinary trac infections - Acute glomerulonephritis - Chronic glomerulonephritis - Nephritic syndrome 5.5.8 Central nervous system - Convulsions - Meningitis - Hydrocephalus - Cerebral palsy 5.5.9 Infectious diseases - Measles - Chicken pox - Whooping cough - Diphtheria - Poliomyelitis - Mumps 5.5.10 Malaria in children

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			5.6 HIV and AIDS in children 5.6.1 Mode of transmission of HIV to children 5.6.2 Diagnosing HIV in children 5.6.3 Identifying children in need of DBS testing 5.6.4 Collection of DBS samples 5.6.5 WHO staging of children 5.6.6. Clinical course of HIV infection in children 5.6.7 Recognizing clinical symptoms of HIV and AIDS in children 5.6.8 Recognizing, preventing and treatment of common OIs 5.6.9 Prescribing ARV for children - First line ARV for children - Secondline ARVs for children - Drug formulations O Syrups O Tablets O Fixed dose combination - Managing ART side effects in children - Treating children with TB and HIV - PEP protocol including sexual defilement - Adherence counseling for paediatric patients and caregivers - Disclosure to children - HIV exposure to children - Treatment - Follow up care (DBS positive and negative) 5.6.10 Prevention of mother to child transmission (PMTCT)

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			5.7 Management of paediatric emergencies 5.7.1 Types 5.7.2 Resuscitation 5.7.3 Care of endotracheal and tracheostomy tubes
6. Identify deviation from normal growth and development	6.0 Deviation from normal growth and development.	6.1 Define key terms in deviations from normal growth and development 6.2 Assess the child 6.3 Identify disabilities 6.4 Conduct counseling of parents and children 6.5 Explain the importance of male circumcision 6.6 Conduct genetic counseling 6.7 Identify support services in the community	6.1 Definition of key terms in deviations from normal growth and development 6.2 Assessment of the child 6.3 Disabilities of the child 6.4 Counseling of parents and children 6.5 Importance of male circumcision 6.6 Genetic counseling 6.7 Support services
7. Discuss the management of children with surgical conditions	7.0 Management of children with common surgical conditions	7.1 State the general principles of paediatric nursing 7.2 Explain common surgical conditions 7.3 Enumerate the management of a child with congenital anomalies	7.1 General principles of paediatric nursing 7.2 Common surgical conditions 7.2.1 Trauma 7.2.2 Acute abdomen 7.2.3 Burns 7.2.4 Foreign bodies 7.2.5 Neoplasms - Wilm's tumour - Burkitt's Lymphoma - Neuroblastoma 7.2.6 Cancrum oris 7.3 Management of a child with congenital anomalies 7.3.1 Types of abnormalities

