

# DIPLOMA PAEDIATRIC AND CHILD HEALTH NURSING EXTENSION

## YEAR TWO, SEMESTER TWO

Paper Code	Module unite
DPCHN-221	<p>Anatomy and Physiology related to child development and Normal child</p> <p><b>Anatomy and Physiology related to child development</b></p> <ul style="list-style-type: none"> <li>Subtopic: Fertilization</li> <li>Subtopic: Embryology</li> <li>Subtopic: Foetal Circulation</li> <li>Subtopic: Foetal Skull</li> <li>Subtopic: Changes in vital organs</li> <li>Subtopic: Female breast</li> <li>Subtopic: Body systems</li> </ul> <p><b>Normal Child</b></p> <ul style="list-style-type: none"> <li>Subtopic: Embryological and foetal structures and function through conception</li> <li>Subtopic: Factors that influence growth and development</li> <li>Subtopic: Physiological adaptation of the newborn</li> <li>Subtopic: Characteristics of a newborn</li> <li>Subtopic: Immediate care of a newborn infants</li> <li>Subtopic: Examination of a newborn</li> <li>Subtopic: Needs of a newborn</li> <li>Subtopic: Stages of growth and development</li> <li>Subtopic: Baby friendly hospital initiatives</li> <li>Subtopic: Other initiatives that promote successful breast feeding</li> </ul>
DPCHN-222	<p>Foundations of Paediatric Nursing and Primary Health care</p> <p><b>Foundations of Paediatric Nursing and</b></p> <ul style="list-style-type: none"> <li>Subtopic: History and concepts of paediatric Nursing</li> <li>Subtopic: Qualities of a paediatric Nurse</li> <li>Subtopic: Nursing ethics and etiquette</li> <li>Subtopic: Basic paediatric Nursing procedures</li> <li>Subtopic: Rights of Children</li> <li>Subtopic: The Nursing Process</li> </ul>

Subtopic: Composition and role of the health facility team  
Subtopic: Cultural aspects of paediatric nursing

## **Primary Health Care (PHC)**

### **Topic: Introduction to Primary health care**

Sub Topic: Concepts of Primary Health Care

Sub Topic: Components of Primary Health Care

Subtopic: Strategies of implementing PHC

Subtopic: Special Clinics

- Activities carried out
- Follow up and monitoring
- Challenges of PHC

Subtopic: Types of medical records and their importance

DPCHN-223	<p>Paediatric Pharmacology and Child Nutrition</p> <p><b>Paediatric Pharmacology</b></p> <ul style="list-style-type: none"> <li>Subtopic: Common drugs used in paediatrics</li> <li>Subtopic: Pharmacokinetics and pharmacodynamics of drugs used in children</li> <li>Subtopic: Factors the influence paediatric drug therapy</li> <li>Subtopic: Procedures of drug administration</li> <li>Subtopic: Paediatric drug formulations and dosages</li> <li>Subtopic: Drug compliance and adherence in children</li> <li>Subtopic: Process of monitoring and assessing drug response and adverse reactions</li> <li>Subtopic: Rational use of drugs</li> <li>Subtopic: Requisitioning, receiving and storing drugs</li> <li>Subtopic: Pharmacy act</li> </ul> <p><b>Child Nutrition</b></p> <ul style="list-style-type: none"> <li>Subtopic: Concept of Nutrition and food security</li> <li>Subtopic: Nutritional assessment including physical, general and biochemical data</li> <li>Subtopic: Food production, preparation, preservation and storage</li> <li>Subtopic: Breast feeding and weaning</li> <li>Subtopic: Nutritional conditions and their management</li> <li>Subtopic: Food Security</li> <li>Subtopic: Nutritional policy guidelines and legislation</li> </ul>
DPCHN-224	<p><b>Paediatrics Psychology</b></p> <p>Topic: Concepts of child Psychology</p> <ul style="list-style-type: none"> <li>Subtopic: Child psychology</li> <li>Subtopic: Growth</li> <li>Subtopic: Cognitive development</li> <li>Subtopic: Emotional development</li> <li>Subtopic: Psychosocial development</li> <li>Subtopic: Psychosexual development</li> <li>Subtopic: Moral development</li> <li>Subtopic: Personality development</li> <li>Subtopic: Language development</li> <li>Subtopic: Developmental psychopathology</li> <li>Subtopic: Self Concept</li> </ul> <p>Topic: Major Theories</p> <ul style="list-style-type: none"> <li>Subtopic: Freud Sigmund – pscho analytical therapy</li> </ul>

	<p>Subtopic: Jean Piaget – Cognitive development</p> <p>Subtopic: Erik Erikson – Psychosocial development</p> <p>Subtopic: Kohlberg – Moral development</p> <p>Subtopic: Self Concept theory</p> <p>Subtopic: Play in psychological development Trends in paediatric Nursing</p> <p>Subtopic: Language</p> <p>Topic: Environmental Factors</p> <p>Subtopic: Prenatal</p> <p>Subtopic: Infancy period</p> <p>Subtopic: Pre- school</p> <p>Subtopic: School child</p> <p>Subtopic: Adolescents</p>
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### **YEAR THREE, SEMESTER ONE**

<b>Paper code</b>	<b>Module Unit</b>
DPCHN-311	<p>Paediatric Medical Nursing and Paediatric Psychiatry</p> <p><b>Paediatric Medical Nursing</b></p> <p>Topic: Prenatal acquired conditions</p> <ul style="list-style-type: none"> <li>• Congenital malformations</li> <li>• Intrauterine infections</li> </ul> <p>Topic: Post- natal conditions (0-4 weeks)</p> <ul style="list-style-type: none"> <li>• Neonatal infections</li> <li>• Birth injuries</li> <li>• Asphyxia</li> <li>• Metabolic disorders</li> <li>• Low birth weight disorders</li> <li>• Haematological disorders- Jaundice, haemolytic disorders</li> </ul> <p>Topic: Diseases of the respiratory system</p> <ul style="list-style-type: none"> <li>• Acute respiratory infections</li> <li>• Chronic respiratory infections</li> <li>• Prevention and control of ARI</li> </ul> <p>Topic: Diseases of the GIT</p> <ul style="list-style-type: none"> <li>• Diarrhoea</li> <li>• Intestinal worms</li> <li>• Malnutrition</li> </ul> <p>Topic: Diseases of blood and lymphatic system</p> <ul style="list-style-type: none"> <li>• Anaemia</li> <li>• Sickle cell anaemia</li> <li>• Leukaemia</li> </ul>

	<ul style="list-style-type: none"> <li>• Burkett’s lymphoma</li> </ul> <p>Topic: Diseases of cardiovascular system</p> <ul style="list-style-type: none"> <li>• Congenital heart disease</li> <li>• Acquired heart disease Epilepsy</li> </ul> <p>Topic: Diseases of genital urinary system</p> <ul style="list-style-type: none"> <li>• UTI</li> <li>• Acute glomerulo-nephritis</li> <li>• Nephrotic syndrome</li> </ul> <p>Topic: Diseases of the central nervous system</p> <ul style="list-style-type: none"> <li>• Meningitis</li> <li>• Encephalitis</li> <li>• Cerebral palsy</li> <li>• Hydrocephalus/ Microcephaly</li> </ul> <p>Topic: Communicable infections and diseases</p> <ul style="list-style-type: none"> <li>• Viral infections- (HIV, Measles, Chicken, Influenza)</li> <li>• Bacterial infections- (TB)</li> <li>• Fungal infections – Candidiasis</li> <li>• Protozoa</li> </ul> <p>Topic: Integrated Management of Childhood Illness (IMCI)</p> <p>Topic: Paediatric emergencies</p> <ul style="list-style-type: none"> <li>• Accidents</li> <li>• Poisoning</li> </ul> <p>Topic: Special situations</p> <ul style="list-style-type: none"> <li>• Cardiac arrest</li> <li>• Unconscious child</li> <li>• Acute Renal failure</li> <li>• Severe Malnutrition</li> </ul> <p><b>Paediatric Psychiatry</b></p> <p>Topic: Concepts of Child Psychiatry</p> <ul style="list-style-type: none"> <li>• Definition of child psychiatry</li> <li>• Definition of emotional disturbances</li> <li>• Definition of behavioral disturbances</li> <li>• Definition of Cognitive disturbance</li> <li>• Definition of mental retardation</li> <li>• Definition of Relationships</li> <li>• Definition of child abuse</li> </ul> <p>Topic: Violence</p> <p>Topic: Causes of psychiatric disturbances in children and adolescents</p> <ul style="list-style-type: none"> <li>• Genetic</li> <li>• Infections</li> <li>• Accidents/ Trauma</li> <li>• Birth Injuries</li> <li>• Poisoning</li> </ul>
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	<ul style="list-style-type: none"> <li>• Relationships</li> <li>• Maternal deprivation</li> <li>• Child abuse</li> </ul> <p>Topic: Classification of psychiatric disturbances in children and adolescents</p> <p>Sub Topic: Disruptive behavior disorders</p> <ul style="list-style-type: none"> <li>• Attention deficit, hyperactivity</li> <li>• Disorders (ADHD)</li> <li>• Conduct disorders</li> </ul> <p>Sub Topic: Anxiety disorders</p> <ul style="list-style-type: none"> <li>• Separation anxiety disorder</li> <li>• Avoidance disorder</li> <li>• Severe anxiety disorder</li> </ul> <p>Sub Topic: Eating Disorders</p> <p>Sub Topic: Gender Disorders</p> <p>Sub Topic: Elimination Disorders</p> <p>Sub Topic: Mental retardation</p> <p>Sub Topic: Abnormal psychosocial disorders</p> <p>Sub Topic: Pervasive developmental disorders</p> <ul style="list-style-type: none"> <li>• Autistic disorders</li> <li>• Obsessive – Compulsive</li> </ul> <p>Sub Topic: Adolescents disorders Disorder (OCD)</p> <ul style="list-style-type: none"> <li>• Schizophrenia</li> </ul> <p>.</p>
DPCHN-312	<p><b>Applied Research and Teaching Methodology</b></p> <p><b>Applied Research</b></p> <p><b>Topic: Introduction to nursing research</b></p> <p>Subtopic : Introduction to research</p> <p>Subtopic : Terminologies</p> <p>Subtopic : Research Ethics</p> <p>Subtopic : Purpose of studying research</p> <p>Subtopic : Research techniques (Qualitative, quantitative and their approaches)</p> <p><b>Topic: Writing a research proposal</b></p> <p>Subtopic : Formulation of research topics</p> <p>Subtopic : Background of study</p> <p>Subtopic : Literature review</p> <p>Subtopic : Methodology</p>

	<p><b>Teaching Methodology</b></p> <p><b>Topic: Introduction to teaching methodology and Concept of education</b>  Subtopic : Teaching and Learning process  Subtopic : Teaching learning methods  Subtopic : Communication and Human relations</p>
DPCHN-313	<p><b>Paediatric Surgical Nursing and Paediatric HIV/AIDS</b></p> <p>Topic: Congenital Malformations of  Subtopic: Digestive system  Subtopic: Urinary system  Subtopic: Central nervous system  Subtopic: Respiratory system  Subtopic: Skeletal system  Subtopic: Cardiovascular system  Subtopic: Levels of Disease prevention  Subtopic: Skin  Subtopic: Endocrine system</p> <p>Topic: Acquired surgical conditions  Subtopic: Injuries</p> <ul style="list-style-type: none"> <li>• Birth trauma</li> <li>• Fractures and dislocation</li> <li>• Burns and scalds</li> <li>• Surgical Sepsis</li> </ul> <p>Subtopic: Foreign bodies</p> <p>Topic: Tumours</p> <ul style="list-style-type: none"> <li>• Begnin</li> <li>• Malignant – Wilm’s tumour</li> </ul> <p>Topic: Paediatric resuscitation  Topic: Paediatric surgical procedures  Topic: Paediatric surgical equipment</p> <p><b>Paediatric HIV/AIDS</b>  Subtopic : Concepts of HIV/AIDS  Subtopic : PMTCT  Subtopic : Opportunistic infection in HIV/AIDS  Subtopic : Treatment, follow up, monitoring during reactions  Subtopic : Adherence to ART  Subtopic: Pre and posttest counseling</p>

DPCHN-3104	<p>Environmental Health and Epidemiology</p> <p><b>Environmental Health</b></p> <p>Subtopic: Concept and meaning of environmental in relation to child growth and development</p> <p>Subtopic: Components of a safe and hygienic environment</p> <p>Subtopic: Effects of environment on Child growth and development</p> <p>Subtopic: Process of setting up a conducive environment for a normal growth and development</p> <p>Subtopic: Environment by- laws and regulations</p> <p>Subtopic: Monitoring and evaluation of the environment</p> <p><b>Epidemiology</b></p> <p>Subtopic: Concepts in Epidemiology</p> <p>Subtopic: Levels of Disease prevention</p> <p>Subtopic: Major roots of disease transmission</p> <p>Subtopic: Childhood diseases under Surveillance in Uganda</p> <p>Subtopic: Notifiable Diseases</p>

## **YEAR THREE, SEMESTER TWO**

<b>Paper code</b>	<b>Module Units</b>
DPCHNE-321	<p>Palliative care and Guidance and counseling</p> <p><b>Palliative care</b></p> <p>Subtopic: Concept and philosophy in palliative care</p> <p>Subtopic: Cultural diversity in palliative care</p> <p>Subtopic: Assessment and diagnose for palliative care</p> <p>Subtopic: Delivery of palliative care</p> <p>Subtopic: Non- pain symptom management</p> <p>Subtopic: Pain control management</p> <p>Subtopic: Palliative intervention- Feeding</p> <p>Subtopic: Terminal illness during palliative care</p> <p>Subtopic: Complication during palliative care</p> <p>Subtopic: Provision of spiritual needs</p> <p>Subtopic: Medication in palliative care</p>

	<p>Subtopic: Documentation in palliative care  Subtopic: Ethics and legal issues</p> <p><b>Counseling and guidance</b></p> <p>Subtopic : Concepts of counseling and guidance  Subtopic : Principles of counseling and guidance  Subtopic : Counseling process  Subtopic : Counseling techniques  Subtopic : Qualities of a good counselor</p>
DPCHN-322	<p><b>Intensive and special care in paediatric Nursing</b></p> <p>Subtopic: Special care unit  Subtopic: The Paediatric intensive care  Subtopic: Life supporting procedures tailored to paediatrics  Subtopic: Heart failure  Subtopic: Respiratory failure  Subtopic: Hypertensive emergencies  Subtopic: Kidney failure  Subtopic: Liver failure</p>
DPCHN-323	<p>Health Service Management and Entrepreneurship</p> <p><b>Health Service Management</b></p> <p><b>Topic: Management</b></p> <p>Subtopic : Management theories and styles  Subtopic : Human resource management  Subtopic : Financial management  Subtopic : Staff recruitment process  Subtopic : Management of equipment and supplies  Subtopic: Transport management.  Subtopic : Management of Infrastructure  Subtopic : Integrated disease response and surveillance  Subtopic : Key government policies</p> <p><b>Topic: Leadership</b></p> <p>Subtopic : Leadership theories  Subtopic : Team process  Subtopic : Styles of leadership  Subtopic : Conflict and conflict resolution  Subtopic : Negotiation Skills</p> <p><b>Entrepreneurship</b></p>

**Topic: concept of entrepreneurship**

Subtopic : Small business in the economy

Subtopic : Entrepreneurship, the entrepreneur and the owner manager

Subtopic : Innovation and the market place

**Topic: Creating entrepreneurial small business**

Subtopic : Business planning

Subtopic : Successful, strategies for small business

Subtopic : Start-ups and franchises (Permits/license)

Subtopic : Buying an existing business

Subtopic : Forming and protecting a business

**Topic: Managing people and resources**

Subtopic : Managing people and resources

Subtopic : Marketing

Subtopic : Money matters for small business

Subtopic : Business exists and realizing value