

## Module Organization for Year 2 Semester 2

## Module 54: Paediatric Nursing

Code : PEN 2204  
 Hours : 38  
 Credits : 4

Pre-requisite(s): ANP 1109, COM 1103, MIM 1102, MSN 1202, PSY 1102

## Module Competence

This module is designed to enable the learner promote health, prevent illness, diagnose, manage and rehabilitate infants and children suffering from common childhood conditions/ diseases.

## Module Outcomes

By the end of this module, the learner should;

1. Recognize and manage children with deviations from normal growth patterns
2. Manage children with various paediatric conditions using the nursing process
3. Triage and provide emergency care to children
4. Apply principles of IMCI in reducing morbidity and mortality among children.

## Module Units

Number	Name	Hours	
		Theory	Practical
1	Growth and Development	04	00
2	Common paediatric conditions	16	00
3	ETAT plus	02	02
4	Integrated Management of Childhood Illnesses	16	05

## Module Content

**Growth and development;** stages of normal growth and development, developmental milestones, factors influencing growth and development, types of deviations from normal and their management. **Paediatric conditions;** impact of sickness and admission to child, parents, family; bronchopneumonia, asthma, diarrheal diseases, otitis media, anaemia, tonsillitis, laryngotracheobronchitis (LTB), streptococcal sore throat, rheumatic fever, rheumatic heart disease, nephrotic syndrome, meningococcal meningitis, neonatal tetanus, malnutrition, congenital conditions (congenital heart diseases, spina bifida, hydrocephalus, cleft lip and palate, down's syndrome), malignancies (burkitts lymphoma, wilms tumour), paediatric HIV, paediatric emergencies (poisoning, convulsive disorders). **ETAT** triage, resuscitation, malnutrition, essential symptoms. **IMCI;** definition, KDHS survey reports 1993 to date, major causes of childhood morbidity and mortality, significance of IMCI in reducing under five morbidity and mortality, IMCI guidelines. assess and classify child 2 months-5 years, general dangers signs, main symptoms, anaemia and malnutrition, HIV exposure and infection, immunization status, vitamin A supplementation and deworming status, any other problem. Identify treatment and treat the child; identify pre-referral treatment, treatment for the child going home; intramuscular antibiotics.



oral antibiotics, anti-malarial, analgesics, antihelminthics, safe cough remedies, multivitamins/mineral supplements; ORS; I.V Fluids. Counsel the care giver; on her own health, when to return, how to give treatment at home, to give more fluids during illness. Follow up; assess and classify child during follow up. Assess the sick young infant 0-2 months; assess and classify young infant for very severe disease, assess and classify infant for local bacterial infection, assess and classify jaundice, assess and classify young infant with special needs, assess and classify young infant for feeding problem and low birth weight, teach mother how to treat local bacterial infections at home, identify pre-referral treatment for young infant with very severe disease, teach mother how to position the infant during breastfeed.

#### Teaching Strategies

Interactive lectures, Brain storming, Group discussions, Demonstration

#### Teaching/Learning Resources

LCD & Laptop, Whiteboard & markers, Flip charts, Journals

#### Assessment Strategies

Formative: CATs, RATs, Assignments, Case Presentations, End of Semester Examination, Promotional examination.

#### References/Further Readings

- Hockenberry M., Wilson D, (2015), *Wong's Essentials of Pediatric Nursing* 9<sup>th</sup> edition, Sydney: Elsevier.
- Kyle T., Walter. K. & Carman S. (2012), *Essentials of Paediatric Nursing*, 2<sup>nd</sup> edition, Sydney: Elsevier
- WHO, (2013): *Pocket book of Hospital care for children: Guidelines for the management of common illnesses with limited resources*. Switzerland: WHO press
- MOH, (2013): *Basic Pediatric Protocols for ages up to 5 years -Revised*. Kenya: MOH



## Module 55: Mental Health and Psychiatric Nursing

Code : MIIN 2203  
 Hours : 30  
 Credits : 3

Pre-requisite(s): PSY 1102, PHA 1203, PHA 2103, COM 1103, ANP 1109, SOA 1101

### Module Competence

This module is designed to enable the learner promote mental health, diagnose, manage and rehabilitate psychiatric patients.

### Module Outcomes

By the end of the module, the learner should;

1. Explain basic concepts, principles and trends in mental health care.
2. Provide mental health legal aspect in relation to mental health.
3. Assess, diagnose and manage common psychiatric disorders.
4. Diagnose manage and rehabilitate patients with mental health conditions
5. Participate in community mental health nursing activities
6. Identify, manage and follow-up a mentally ill patient/client
7. Provide care to the mentally ill patient.

### Module Units

Number	Name	Hours	
		Theory	Practical
1	Concepts and Principles of mental health	04	00
2	Legal Aspects	04	00
3	Common Mental disorders/illnesses	12	00
4	Psychiatric emergencies	04	00
5	Treatment modalities	04	00
6	Community Psychiatry	02	00
7	Care of the Mentally Ill	02	00

### Module Content

**Concepts and Principles Mental Health;** factors that promote mental health; contributing factors to mental illness; classification (ICD 10/DSM.V), symptomatology, principles of psychiatric nursing. Trends in psychiatry and psychiatric nursing (globally, in Kenya). **Legal Aspects;** Mental Health Act cap 248, definition, date of commencement, admission process (involuntary, voluntary, armed forces, emergency admissions, foreign patient), offences, Kenya Board of Mental Health. Criminal Procedure Code- Cap.75 (remand, special category, convicted criminal). Assessing and diagnosing patients - history taking, mental status assessment. **Common Mental Disorders/Illnesses;** mood disorders/affective disorders, schizophrenia, delusional disorders, psychosis associated with pregnancy and child birth, neuropsychiatric disorders, substance use & related disorders, anxiety disorders, personality disorders, gender identity & sexual disorders, somatoform disorders, conversion disorder, dissociative disorder, factitious, eating disorders sleep



disorders. **Psychiatric emergencies**; suicidal attempt, aggressive and violent patient, acute panic state, catatonic excitement, delirium tremens, cold turkeys, patients who wander and escape. delirious mania. **Childhood mental disorders**; mental sub normality, conduct disorder, attention deficit hyperactivity disorder, autism, learning disorders. **Treatment Modalities**; chemotherapy, psychotherapy, group therapy, behaviour therapy, electro-convulsive therapy (ECT), occupational and recreational therapy, family and social therapy. **Community Psychiatry**; diagnose, manage and refer, promotion of mental health, prevention of mental illness, rehabilitation, involvement of government and non-governmental organizations. **Care of the mentally ill**; personal particulars, general appearance, presenting complaints, history taking, mental status examination, management.

#### Teaching Strategies

Group Discussion, Lecture, Demonstration, Role Plays, Simulation, Skills Lab.

#### Teaching/Learning Resources

Handouts, flip charts, whiteboard, chalk board, LCD, Overhead projector

#### Assessment Strategies

**Formative**: Quizzes, Assignments, RATs, CATs, Case presentations, Case studies, End of semester examinations, Promotional examinations

#### References/Further Readings

- Anderson, W. and Trethowan, H. (2010). *Psychiatry, 3<sup>rd</sup> edition*. London: Baillier-Tendal Press
- Burgers R, N. (2008). *Psychiatric Nursing in the hospital and the community, 6<sup>th</sup> edition*. California: Appleton and Lange
- James, L. (2012). *Current trends in psychology*. U.S.A: library congress,
- Inford, R. (2009). *A short textbook of psychiatry*, London: Hodder
- Mwondo P. (2016). *An Introduction to Psychiatry in Africa*. Nairobi: Acrodile publishers
- James, L. (2009). *Basic concepts in Psychiatric-Mental health nursing, 5<sup>th</sup> edition*. Philadelphia: Lippincott.
- Palis, M. and Copant, D. (2009). *Psychiatric nursing 7<sup>th</sup> edition*. California: Mosby Company.

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## Module 56: Orthopaedic Nursing

Code : ONU 2202  
Hours : 14  
Credits : 2

Pre-requisite(s): SPR 2101, FNU 1111, ANP 1109, FAI 1202, PON 2101

### Module Competence

This module is designed to enable the learner promote health, prevent illness, diagnose, manage and rehabilitate patients suffering from orthopaedic diseases.

### Module Outcomes

By the end of this module, the learner should;

1. Apply concepts of orthopaedic nursing in provision of care
2. Identify various orthopaedic trauma and injuries
3. Manage patients with orthopaedic conditions using the Nursing Process
4. Manage and rehabilitate patients with musculoskeletal disorders.

### Module Units

Number	Name	Hours	
		Theory	Practical
1	Introduction To Orthopaedic Nursing	02	00
2	Orthopaedic Trauma and Injuries	02	00
3	Orthopaedic Conditions	06	00
4	Management and Rehabilitation	04	00

### Module Content

**Introduction**; history and trends in orthopaedic nursing, definition and scope of orthopaedic nursing, review anatomy & physiology of the musculo-skeletal system, bone injury healing of injury, assessment of orthopaedic patient (history taking, physical examination and muscle strength testing). **Orthopaedic trauma and injuries**; fractures, polytrauma, nerve injuries, vascular injuries, soft tissue injuries, sports injuries, amputation. **Orthopaedic conditions**; infection of bone and joints (tuberculosis, osteomyelitis, arthritis), bone tumours (benign, malignant, therapies for tumours), deformities (scoliosis, kyphosis, lordosis, congenital disorder), disorders of spine (intervertebral disc prolapse, pelvic inflammatory disease, fracture of the spine, low back disorder/pain), nutritional/metabolic disorders (rickets, osteomalacia, osteoporosis, gout), chronic/degenerative diseases of joints and autoimmune disorders (osteoarthritis, rheumatoid arthritis, ankylosing spondylitis). **Management and rehabilitation**; care of patients with orthopaedic devices (splints, braces, plaster casts, types of tractions, the orthopaedic bed and ripple mattress), rehabilitation (principles of rehabilitation, occupational therapy, counseling, community based rehabilitation, challenges in rehabilitation, role of the nurse in rehabilitation, national policies regarding persons with physical disabilities).

### Teaching Strategies



Interactive lectures, Brain storming, Group discussions, Demonstrations

**Teaching/Learning Resources**

LCD & Laptop, Whiteboard & markers, Flip charts, Journals

**Assessment Strategies**

*Formative:* CATs, RATs, Assignments, Case Presentations, End of Semester Examination,

**Reference/Further Readings**

Hinkle, J & Cheerer, K, (2014) *Brunner and Suddarth's Textbook of Medical-Surgical Nursing 13<sup>th</sup> ed* Philadelphia: J.B. Lippincott Company.

Lewis S.L., Dirksen S.R., Heitkemper M.M, Bucher L., & Camera I. M.(2011). *Medical-Surgical Nursing: Assessment and Management of Clinical Problems 8th Ed.* USA: Mosby Elsevier Inc.

Miller, M & Thompson, S., (2015), *Miller's Review of Orthopedics, 7<sup>th</sup> Ed*, Philadelphia: Elsevier

## Module 57: Endocrinological Nursing

Code : ECN 2202  
 Hours : 15  
 Credits : 2

Pre-requisite(s): ANP 1109, PHA 1203

## Module Competence

This module is designed to enable the learner promote health, prevent illness, manage and rehabilitate patients suffering endocrine disorders.

## Module Outcome

By the end of this module, the learner should;

Manage patients with thyroid, pituitary, parathyroid, adrenal disorders and other endocrine disorders using the nursing process.

## Module Units

Number Name

	Name	Hours	
		Theory	Practical
1	Thyroid disorders	02	00
2	Pituitary disorders	02	00
3	Parathyroid disorders	02	00
4	Adrenal disorders	04	00
5	Diabetes Mellitus	05	00

## Module Content

Thyroid disorders; hyperthyroidism (thyrotoxicosis), hypothyroidism (cretinism, myxedema) goiter (simple and malignant), neoplasms (adenoma, carcinoma). Pituitary Disorders; diabetes insipidus, acromegaly, dwarfism, simmond's disease. Parathyroid Disorders; hyperparathyroidism, hypocalcaemia, hypercalcaemia, Adrenal Disorders; Cushing's disease, Addison's disease, Crohn's disease, congenital adrenal hyperplasia, pheochromocytoma, Diabetes Mellitus; risk factors, classification, pathophysiology, assessment and diagnostic findings, management (nutrition, pharmacologic, health education), complications (acute, long-term).

## Teaching Strategies

Interactive lectures, Brain storming, Group discussions, Demonstration

## Teaching/Learning Resources

LCD & Laptop, Whiteboard & markers, Flip charts, Journals

## Assessment Strategies

Formative: CATs, RATs, Assignments, Case Presentations, End of Semester Examination

## References/Further Readings



**Module 58: Ear, Nose and Throat Nursing**

Code                    ENT 2201  
 Hours                 10  
 Credits                1

Pre-requisite(s): ANP 1109, SPR 2101, PRN 2101

**Module Competence**

This module is designed to enable the learner promote health, prevent illness, manage and rehabilitate patients suffering from ear, nose and throat conditions.

**Module Outcomes**

By the end of the module, the learner should;

1. Assess patients with ENT disorders
2. Manage patients with disorders of the ear using nursing process
3. Manage patients with disorders of the nose using nursing process
4. Manage patients with disorders of the throat using nursing process.

**Module Units**

Number	Name	Hours	
		Theory	Practical
1	ENT assessment and procedures	02	00
2	Ear Disorders	02	00
3	Nose Disorders	03	00
4	Throat Disorders	03	00

**Module Content**

ENT Assessment and procedures; history taking, physical examination and diagnostic tests (testing for senses of hearing, smell), ear syringing. Ear Disorders; Otitis media & externa, Hearing loss/deafness, Mastoiditis. Nose Disorders; sinusitis, allergic rhinitis, epistaxis, deflected nasal septum, carcinoma of post nasal space. Throat Disorders; streptococcal pharyngitis, adenotonsillitis, epiglottitis, carcinoma of larynx.

**Teaching Strategies**

Interactive lectures, Brain storming, Group discussions, Demonstration

**Teaching/Learning Resources**

Chalk & chalkboard, LCD & Laptop, Whiteboard & markers, Flip charts, Journals, Unpublished material (teacher's notes)

**Assessment Strategies**

Formative: CATs, RATs, Assignments, Case Presentations, End of Semester Examination.



## Module 5: Ophthalmic Nursing

Code : OPH 2201  
 Hours : 10  
 Credits : 1

Pre-requisite(s): HEP 1202

## Module Competence

This module is designed to enable the learner promote health, prevent illness, manage and rehabilitate patients suffering from eye disorders.

## Module Outcomes

By the end of the module, the learner should;

1. Perform ophthalmic nursing procedures
2. Manage patients with ophthalmic disorders.

## Module Units

Number	Name	Hours	
		Theory	Practical
1	Ophthalmic Nursing Procedures	04	00
2	Eye disorders and their management	06	00

## Module Content

Ophthalmic nursing procedures; instilling drops and ointment, measuring visual acuity (using Snellen's chart), applying eye pads and bandages, inspecting the eye, taking a conjunctival swab, removing foreign body from the conjunctiva, irrigating the eye, basic eye care. **Eye Disorders & their management;** blepharitis, stye, conjunctivitis, uveitis, retinitis, choroiditis, keratitis, glaucoma, trachoma, cataract, eye tumours, refractory errors, refractory errors (squints, myopia, hyperopia).

## Teaching Strategies

Interactive lectures, Brain storming, Group discussions, Demonstration

## Teaching/Learning Resources

LCD & Laptop, Whiteboard & markers, Flip charts, Journals

## Assessment Strategies

Formative: CATs, RATs, Assignments, Case Presentations, End of Semester Examination,

## References/Further Readings

Hinkle, & Cheerer, K, (2014) *Brunner and Suddarth's Textbook of Medical-Surgical Nursing* 13<sup>th</sup> ed. Philadelphia: J.B. Lippincott Company.