

# MEDICAL SURGICAL NURSING- II

## (Adult including Geriatrics)

**Placement:** Third year

**Time:** Theory - 120 hours  
Practical - 270 hours

**Course Description:** The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat.	<b>Nursing management of patient with disorders of Ear Nose and Throat</b> <ul style="list-style-type: none"> <li>Review of anatomy and physiology of the Ear Nose and Throat -</li> <li>Nursing Assessment- History and Physical assessment</li> <li>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of Ear Nose and Throat disorders:                             <ul style="list-style-type: none"> <li>External ear: deformities otalgia, foreign bodies, and tumours</li> <li>Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours</li> <li>Inner ear- Meniere's Disease, labyrinthitis, ototoxicity, tumours</li> <li>Upper airway infections- Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/ Seminar</li> <li>Health education</li> <li>Supervised clinical practice</li> <li>Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>Assessment of patient management problem</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Upper respiratory airway-epistaxis,</li> <li>• Nasal obstruction, laryngeal obstruction, cancer of the larynx</li> <li>• Cancer of the oral cavity\</li> <li>• Speech defects and speech therapy</li> <li>• Deafness</li> <li>• Prevention, control and rehabilitation</li> <li>• Hearing Aids, implanted hearing devices</li> <li>• Special therapies</li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of disorders of Ear Nose and Throat</li> <li>• Role of nurse communicating with hearing impaired and muteness.</li> </ul>		
II	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye.	<b>Nursing management of patient with disorders of eye</b> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the eye-</li> <li>• Nursing Assessment History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of eye disorders: <ul style="list-style-type: none"> <li>▪ Refractive errors</li> <li>▪ Eyelids-infection, tumours and deformities</li> <li>▪ Conjunctiva-inflammation and infection, bleeding</li> <li>▪ Cornea- inflammation and infection</li> <li>▪ Lens-Cataracts</li> <li>▪ Glaucoma</li> <li>▪ Disorder of the uveal tract,</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to eye bank</li> <li>• Participation in eye-camps</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem.</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>▪ Ocular tumours</li> <li>▪ Disorders of posterior chamber and retina: Retinal and vitreous problems.</li> <li>▪ Retinal detachment</li> <li>▪ Ocular emergencies and their prevention</li> <li>• Blindness</li> <li>• National blindness control program               <ul style="list-style-type: none"> <li>▪ Eye Banking</li> <li>▪ Eye prostheses and Rehabilitation</li> </ul> </li> <li>• Role of a nurse</li> <li>• Communication with visually impaired patient, Eye camps.</li> <li>• Special therapies</li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of disorders of eye.</li> </ul>		
III	16	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders.	<b>Nursing management of patient with neurological disorders:</b> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the neurological system.</li> <li>• Nursing Assessment</li> <li>• History and Physical and neurological assessment and Glasgow coma scale.</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of neurological disorders.</li> <li>• Congenital malformations</li> <li>• Headache</li> <li>• Head Injuries</li> <li>• Spinal Injuries:               <ul style="list-style-type: none"> <li>▪ Paraplegia</li> <li>▪ Hemiplegia</li> <li>▪ Quadriplegia</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to rehabilitation centre</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Spinal cord compression-herniation of intervertebral disc</li> <li>• Tumors of the brain &amp; spinal cord</li> <li>• Intra cranial and cerebral aneurysms</li> <li>• Infections: <ul style="list-style-type: none"> <li>▪ Meningitis,</li> <li>Encephalitis,</li> <li>Brain abscess,</li> <li>neurocysticercosis</li> </ul> </li> <li>• Movement disorders <ul style="list-style-type: none"> <li>▪ Chorea</li> <li>▪ Seizures</li> <li>▪ Epilepsies</li> </ul> </li> <li>• Cerebrovascular Accidents (CVA)</li> <li>• Cranial, Spinal Neuropathies- Bell's palsy, trigeminal neuralgia</li> <li>• Peripheral Neuropathies; Guillain-Barre' Syndrome</li> <li>• Myasthenia gravis</li> <li>• Multiple sclerosis</li> <li>• Degenerative diseases <ul style="list-style-type: none"> <li>▪ Delirium</li> <li>▪ Dementia</li> <li>▪ Alzheimer's disease</li> <li>▪ Parkinson's disease</li> <li>▪ Management of unconscious patients and patients with stroke</li> <li>▪ Role of the nurse in communicating with patient having neurological deficit.</li> <li>▪ Rehabilitation of patients with neurological deficit</li> <li>▪ Role of nurse in long stay facility (institutions) and at home</li> <li>▪ Special therapies</li> <li>▪ Nursing procedures</li> <li>▪ Drugs used in treatment of neurological disorders</li> </ul> </li> </ul>		



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	16	<ul style="list-style-type: none"> <li>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with disorders of female reproductive system.</li> <li>Describe concepts of reproductive health and family welfare programme.</li> </ul>	<b>Nursing management of patients with disorders of female reproductive system</b> <ul style="list-style-type: none"> <li>Review of anatomy and physiology of the female reproductive system</li> <li>Nursing Assessment- History and Physical assessment</li> <li>Breast Self-examination</li> <li>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of disorder of female reproductive system</li> <li>Congenital abnormalities of female reproductive system</li> <li>Sexuality and Reproductive Health</li> <li>Sexual Health Assessment</li> <li>Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome</li> <li>Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia</li> <li>Pelvic Inflammatory Disease</li> <li>Ovarian and fallopian tube disorders; infections, cysts, tumours</li> <li>Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/ Urethrocele/ Rectocele</li> <li>Vaginal disorders; Infections and Discharges, Fistulas</li> <li>Vulvar disorders; Infections, cysts, tumours</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/ Seminar</li> <li>Health education</li> <li>Supervised clinical practice</li> <li>Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>Assessment of patient management problem</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Diseases of breasts; Deformities, Infections, Cysts and Tumours</li> <li>• Menopause and Hormonal Replacement Therapy</li> <li>• Infertility</li> <li>• Contraception; Types Methods, Risk and effectiveness               <ul style="list-style-type: none"> <li>▪ Spacing Methods -Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods etc.</li> <li>▪ Terminal methods - Sterilization</li> </ul> </li> <li>• Emergency Contraception methods</li> <li>• Abortion -Natural, Medical and surgical abortion – MTP Act.</li> <li>• Toxic Shock Syndrome</li> <li>• Injuries and Trauma; Sexual violence</li> <li>• Special therapies</li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of gynaecological disorders</li> <li>• National family welfare programme</li> </ul>		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery.	<b>Nursing management of patients with Burns, reconstructive and cosmetic surgery;</b> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the skin and connective tissues and various deformities.</li> <li>• Nursing Assessment- History and Physical assessment and Assessment of burns and fluid and electrolyte loss</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of Burns and Re-constructive and Cosmetic surgery;</li> <li>• Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes</li> <li>• Role of Nurse</li> <li>• Legal aspects</li> <li>• Rehabilitation</li> <li>• Special therapies <ul style="list-style-type: none"> <li>▪ Psycho social aspects</li> </ul> </li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of Burns, reconstructive and cosmetic surgery</li> </ul>		
VI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology.	<b>Nursing management of patients with oncological conditions:</b> <ul style="list-style-type: none"> <li>• Structure &amp; characteristics of normal &amp; cancer cells</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Prevention, Screening, Early detection, Warning signs of cancer</li> <li>• Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of oncological conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukaemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc.</li> <li>Oncological emergencies</li> <li>Modalities of treatment               <ul style="list-style-type: none"> <li>Immunotherapy</li> <li>Chemotherapy</li> <li>Radiotherapy</li> <li>Surgical Interventions</li> <li>Stem cell and Bone marrow transplants</li> <li>Gene therapy</li> <li>Other forms of treatment</li> </ul> </li> <li>Psychosocial aspects of cancer.</li> <li>Rehabilitation</li> <li>Palliative care; Symptom &amp; Pain Management, Nutritional support</li> <li>Home care</li> <li>Hospice care</li> <li>Stomal Therapy</li> <li>Special therapies               <ul style="list-style-type: none"> <li>Psycho social aspects</li> </ul> </li> <li>Nursing procedures</li> </ul>		
VII	10	<ul style="list-style-type: none"> <li>Describe organization of emergency and disaster care services.</li> <li>Describe the role of nurse in disaster management</li> <li>Describe the role of nurse in management of common Emergencies</li> </ul>	<b>Nursing Management of patient in Emergency &amp; Disaster situations</b> <b>DISASTER NURSING:</b> <ul style="list-style-type: none"> <li>Concepts and principles of Disaster Nursing</li> <li>Causes and Types of Disaster: Natural and Man-made;               <ul style="list-style-type: none"> <li>Earthquakes, Floods, Epidemics, Cyclones</li> <li>Fire, Explosion, Accidents</li> <li>Violence, Terrorism; biochemical, War</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts, graphs</li> <li>Models, films, slides</li> <li>Demonstration</li> <li>Practice session</li> <li>Case discussions/ Seminar</li> <li>Health education</li> <li>Supervised clinical practice</li> <li>Disaster management Drills</li> <li>Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>Assessment of patient management problem</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Policies related to emergency/disaster management; International, national, state, institutional</li> <li>• Disaster preparedness:</li> <li>• Team, Guidelines, protocols, Equipments ,Resources</li> <li>• Coordination and involvement of; Community, various govt. departments, non- govt. organizations and International agencies</li> <li>• Role of nurse: working</li> <li>• Legal Aspects of Disaster Nursing</li> <li>• Impact on Health and after effects; Post Traumatic Stress Disorder</li> <li>• Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing</li> <li>• Concept, priorities, principles and Scope of emergency nursing</li> <li>• Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse.</li> <li>• Coordination and involvement of different departments and facilities</li> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of patient with medical and surgical Emergency</li> <li>• Principles of emergency management</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Common Emergencies;</li> <li>• Respiratory Emergencies</li> <li>• Cardiac Emergencies</li> <li>• Shock and Haemorrhage</li> <li>• Pain</li> <li>• Poly-Trauma, road accidents, crush injuries, wound</li> <li>• Bites</li> <li>• Poisoning; Food, Gas, Drugs &amp; chemical poisoning</li> <li>• Seizures</li> <li>• Thermal Emergencies; Heat stroke &amp; Cold injuries</li> <li>• Paediatric Emergencies</li> <li>• Psychiatric Emergencies</li> <li>• Obstetrical Emergencies</li> <li>• Violence, Abuse, Sexual assault</li> <li>• Cardio Pulmonary Resuscitation</li> <li>• Crisis Intervention</li> <li>• Role of the nurse; Communication and Inter Personal Relations</li> <li>• Medico-Legal Aspects;</li> </ul>		
VIII	10	<ul style="list-style-type: none"> <li>• Explain the concept and problems of aging</li> <li>• Describe nursing care of the elderly</li> </ul>	<b>Nursing care of the elderly</b> <ul style="list-style-type: none"> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Ageing;</li> <li>• Demography; Myths and realities</li> <li>• Concepts and theories of ageing</li> <li>• Cognitive Aspects of Ageing</li> <li>• Normal biological ageing</li> <li>• Age related body systems changes</li> <li>• Psychosocial Aspects of Aging</li> <li>• Medications and elderly</li> <li>• Stress &amp; coping in older adults</li> <li>• Common Health Problems &amp; Nursing Management;</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, Slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> <li>• Visit to old age Home.</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Cardiovascular, Respiratory, Musculoskeletal,</li> <li>• Endocrine, genitourinary, gastrointestinal</li> <li>• Neurological, Skin and other Sensory organs               <ul style="list-style-type: none"> <li>▪ Psychosocial and Sexual</li> <li>▪ Abuse of elderly</li> </ul> </li> <li>• Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual</li> <li>• Role of nurse for caregivers of elderly</li> <li>• Role of family and formal and non-formal caregivers</li> <li>• Use of aids and prosthesis (hearing aids, dentures,</li> <li>• Legal &amp; Ethical Issues</li> <li>• Provisions and Programmes for elderly; privileges, Community Programs and health services;</li> <li>• Home and institutional care</li> </ul>		
IX	10	<ul style="list-style-type: none"> <li>• Describe organization of critical care units</li> <li>• Describe the role of nurse in management of patients critical care units.</li> </ul>	<b>Nursing management of patient in critical care units</b> <ul style="list-style-type: none"> <li>• Nursing Assessment- History and Physical assessment</li> <li>• Classification</li> <li>• Principles of critical care nursing</li> <li>• Organization; Physical setup, Policies, staffing norms,</li> <li>• Protocols, equipment and supplies</li> <li>• Special equipments; ventilators, cardiac monitors, defibrillators,</li> <li>• Resuscitation equipments</li> <li>• Infection Control Protocols</li> <li>• Nursing management of critically ill-patient;</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Role plays</li> <li>• Counseling</li> <li>• Practice session</li> <li>• Case discussions/ Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problem</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>Monitoring of critically ill patient</li> <li>CPR-Advance Cardiac Life support</li> <li>Treatments and procedures.</li> <li>Transitional care</li> <li>Ethical and Legal Aspects</li> <li>Communication with patient and family</li> <li>Intensive care records</li> <li>Crisis Intervention</li> <li>Death and Dying-coping with</li> <li>Drugs used in critical care unit</li> </ul>		
X	8	Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorders	<b>Nursing management of patients adults including elderly with Occupational and Industrial disorders</b> <ul style="list-style-type: none"> <li>Nursing Assessment- History and Physical assessment</li> <li>Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical &amp; surgical nursing management of occupational and industrial health disorders.</li> <li>Role of nurse</li> <li>Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of Occupational and Industrial disorders</li> </ul>		

# CHILD HEALTH NURSING

Placement: Third Year

Time: Theory - 90 Hours  
Practical - 270 Hours  
Internship- 145 hours

**Course Description:** This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> <li>Explain the modern concept of child care &amp; principles of child health nursing</li> <li>Describe national policy, programs and legislation in relation to child health and welfare.</li> <li>List major causes of death during infancy, early &amp; late childhood</li> <li>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.</li> <li>Describe the principles of child health nursing</li> </ul>	<b>Introduction Modern concepts of childcare</b> <ul style="list-style-type: none"> <li>Internationally accepted rights of the Child</li> <li>National policy and legislations in relation to child health and welfare</li> <li>National programmes related to child health and welfare</li> <li>Agencies related to welfare services to the children</li> <li>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</li> <li>Child morbidity and mortality rates.</li> <li>Differences between an adult and child</li> <li>Hospital environment for a sick child</li> <li>Impact of hospitalisation on the child and family.</li> <li>Grief and bereavement</li> <li>The role of a Child health nurse in caring for a hospitalised child</li> <li>Principles of pre and post-operative care of infants and children</li> <li>Child health nursing procedures.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration of common paediatric procedures</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	20	<ul style="list-style-type: none"> <li>Describe the normal growth &amp; development of children at different ages</li> <li>Identify the needs of children at different ages &amp; provide parental guidance</li> <li>Identify the nutritional needs of children at different ages and ways of meeting the needs</li> <li>Appreciate the role of play for normal &amp; sick children.</li> <li>Appreciate the preventive measures and strategies for children</li> </ul>	<b>The healthy child</b> <ul style="list-style-type: none"> <li>Principles of growth and development</li> <li>Factors affecting growth &amp; development</li> <li>Growth and development from birth to adolescence</li> <li>The needs of normal children through the stages of developmental and parental guidance</li> <li>Nutritional needs of children &amp; infants: breast feeding, exclusive breast feeding supplementary/ artificial feeding and weaning,</li> <li>Baby friendly hospital concept</li> <li>Accidents: causes and prevention</li> <li>Value of play and selection of play material</li> <li>Preventive immunization, immunization programme and cold chain</li> <li>Preventive paediatrics</li> <li>Care of under-five &amp; under five clinics/ well baby clinics</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Developmental study of infant and children</li> <li>Observation study of normal and sick child</li> <li>Field visit to Anganwadi, child guidance clinic</li> <li>Film show on breast feeding</li> <li>Clinical practice/ field</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of field visits and developmental study reports</li> </ul>
III	15	<ul style="list-style-type: none"> <li>Provide care to normal &amp; high risk neonates</li> <li>Perform neonatal resuscitation.</li> <li>Recognize and manage common neonatal problems</li> </ul>	<b>Nursing care of a neonate</b> <ul style="list-style-type: none"> <li>Nursing care of a normal new-born/ Essential new-born care</li> <li>Neonatal resuscitation</li> <li>Nursing management of a low birth weight baby.</li> <li>Kangaroo mother care</li> <li>Nursing management of common neonatal disorders</li> <li>Organization of neonatal unit.</li> <li>Identification &amp; nursing management of common congenital malformations.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Workshop on neonatal resuscitation</li> <li>Demonstration</li> <li>Practice session</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> </ul>
IV	10		<b>Integrated management of neonatal and childhood illnesses (IMNCI)</b>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	20	<ul style="list-style-type: none"> <li>• Provide nursing care in common childhood diseases</li> <li>• Identify measures to prevent common childhood diseases including immunization</li> </ul>	<b>Nursing management in common childhood diseases</b> <ul style="list-style-type: none"> <li>• Nutritional deficiency disorders</li> <li>• Respiratory disorders and infections</li> <li>• Gastrointestinal infections, infestations and congenital disorders</li> <li>• Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease</li> <li>• Genito- urinary disorders: acute glomerulonephritis, Nephrotic syndrome, Wilms' tumour, infection &amp; congenital disorders.</li> <li>• Neurological infections &amp; disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida.</li> <li>• Haematological disorders: Anaemias, thalassemia, ITP, Leukaemia, haemophilia</li> <li>• Endocrine disorders: Juvenile Diabetes Mellitus</li> <li>• Orthopedic disorders: club feet, hip dislocation and fracture.</li> <li>• Disorders of skin, eye, and ears</li> <li>• Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.</li> <li>• Child health emergencies: poisoning, foreign bodies, haemorrhage, burns and drowning.</li> <li>• Nursing care of infant and children with HIV/AIDS.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VI	10	<ul style="list-style-type: none"> <li>• Manage the child with behavioural &amp; social problems</li> <li>• Identify the social &amp; welfare services for challenged children</li> </ul>	<b>Management of behavioural &amp; social problems in children</b> <ul style="list-style-type: none"> <li>• Management of common behavioural disorders</li> <li>• Management of common psychiatric problems</li> <li>• Management of challenged children: Mentally, Physically, &amp; Socially challenged</li> <li>• Welfare services for challenged children in India.</li> <li>• Child guidance clinics</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Field visits to child guidance clinics, school for mentally &amp; physically, socially challenged</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of field reports</li> </ul>



# MENTAL HEALTH NURSING

**Placement:** Third Year

**Time:** Theory – 90 Hours

Practical – 270 Hours

Internship- 95 hours (2 weeks)

**Course Description:** This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	<ul style="list-style-type: none"> <li>Describes the historical development &amp; current trends in mental health nursing</li> <li>Describe the epidemiology of mental health problems</li> <li>Describe the National Mental Health Act, programmes &amp; mental health policy</li> <li>Discusses the scope of mental health nursing</li> <li>Describe the concept of normal &amp; abnormal behaviour</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices.</li> <li>Prevalence and incidence of mental health problems and disorders.</li> <li>Mental Health Act</li> <li>National Mental health policy vis a vis National Health Policy</li> <li>National Mental Health programme</li> <li>Mental health team</li> <li>Nature and scope of mental health nursing</li> <li>Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice</li> <li>Concepts of normal and abnormal behaviour</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Objective type</li> <li>Short answer</li> <li>Assessment of the field visit reports</li> </ul>
II	5	<ul style="list-style-type: none"> <li>Defines the various terms used in mental health Nursing</li> </ul>	<b>Principles and Concepts of Mental Health Nursing</b> <ul style="list-style-type: none"> <li>Definition: mental health nursing and terminology used</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts</li> <li>Review of personality development</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<ul style="list-style-type: none"> <li>Explains the classification of mental disorders</li> <li>Explain psycho dynamics of maladaptive behaviour</li> <li>Discuss the etiological factors, psychopathology of mental disorders</li> <li>Explain the Principles and standards of Mental health Nursing</li> <li>Describe the conceptual models of mental health nursing</li> </ul>	<ul style="list-style-type: none"> <li>Classification of mental disorders: ICD</li> <li>Review of personality development, defense mechanisms</li> <li>Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)</li> <li>Etiology: bio- psycho-social factors</li> <li>Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission</li> <li>Principles of Mental health Nursing</li> <li>Standards of Mental health Nursing practice</li> <li>Conceptual models and the role of nurse: <ul style="list-style-type: none"> <li>Existential Model</li> <li>Psycho-analytical models</li> <li>Behavioural model</li> <li>Interpersonal model</li> </ul> </li> </ul>		
III	8	Describe nature, purpose and process of assessment of mental health status	<b>Assessment of mental health status</b> <ul style="list-style-type: none"> <li>History taking</li> <li>Mental status examination</li> <li>Mini mental status examination</li> <li>Neurological examination: Review</li> <li>Investigations: Related Blood chemistry, EEG, CT &amp; MRI</li> <li>Psychological tests Role and responsibilities of nurse</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstration</li> <li>Practice session</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> </ul>
IV	6	<ul style="list-style-type: none"> <li>Identify therapeutic communication techniques</li> <li>Describe therapeutic relationship</li> <li>Describe therapeutic impasse and its intervention</li> </ul>	<b>Therapeutic communication &amp; nurse-patient relationship</b> <ul style="list-style-type: none"> <li>Therapeutic communication: Types, techniques, characteristics</li> <li>Types of relationship,</li> <li>Ethics and responsibilities</li> <li>Elements of nurse patient contract</li> <li>Review of technique of IPR- Johari Window</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstration</li> <li>Role play</li> <li>Process recording</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>Goals, phases, tasks, therapeutic techniques</li> <li>Therapeutic impasse and its intervention</li> </ul>		
V	14	Explain treatment modalities and therapies used in mental disorders and role of the nurse	<b>Treatment modalities and therapies used in mental disorders</b> <ul style="list-style-type: none"> <li>Psycho Pharmacology</li> <li>Psychological therapies: Therapeutic community, psychotherapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback</li> <li>Alternative systems of medicine</li> <li>Occupational therapy</li> <li>Physical Therapy: electro convulsive therapy</li> <li>Geriatric considerations Role of nurse in above therapies</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstration</li> <li>Group work</li> <li>Practice session</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> </ul>
VI	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	<b>Nursing management of patient with Schizophrenia, &amp; other psychotic disorders</b> <ul style="list-style-type: none"> <li>Classification: ICD</li> <li>Etiology, psycho-pathology, types, clinical manifestations, diagnosis</li> <li>Nursing Assessment History, Physical and mental assessment</li> <li>Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders</li> <li>Geriatric considerations</li> <li>Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Case discussion</li> <li>Case presentation</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Assessment of patient management problems</li> </ul>
VII	5	Describe the etiology, psychopathology, clinical	<b>Nursing management of patient with mood disorders</b> <ul style="list-style-type: none"> <li>Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Case discussion</li> <li>Case presentation</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Assessment of patient management problems</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		manifestations, diagnostic criteria and management of patients with mood disorders	<ul style="list-style-type: none"> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis,</li> <li>• Nursing Assessment History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with mood disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>		
VIII	8	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	<p><b>Nursing management of patient with neurotic, stress related and somatization disorders;</b></p> <ul style="list-style-type: none"> <li>• Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post-traumatic stress disorder</li> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis</li> <li>• Nursing Assessment History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
IX	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p>Nursing management of patient with Substance use disorders</p> <ul style="list-style-type: none"> <li>• Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal</li> <li>• Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Nursing Assessment History, Physical, mental assessment and drug assay</li> <li>• Treatment (detoxification, and abuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>		
X	4	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual & Eating disorders.	<b>Nursing management of patient with Personality, Sexual and Eating disorders</b> <ul style="list-style-type: none"> <li>• Classification of disorders</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis,</li> <li>• Nursing Assessment History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
XI	6	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<b>Nursing management of childhood and adolescent disorders including mental deficiency</b> <ul style="list-style-type: none"> <li>• Classification</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis</li> <li>• Nursing Assessment-History, Physical, mental and IQ assessment</li> <li>• Treatment modalities and nursing management of childhood disorders including mental deficiency</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case Presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders.	<b>Nursing management of organic brain disorders</b> <ul style="list-style-type: none"> <li>• Classification: ICD</li> <li>• Etiology, psycho-pathology, clinical features, diagnosis &amp; Differential diagnosis (Parkinson's &amp; Alzheimer's)</li> <li>• Nursing Assessment History, Physical, mental and neurological assessment</li> <li>• Treatment modalities and nursing management of organic brain disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> <li>• Case presentation</li> <li>• Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Assessment of patient management problems</li> </ul>
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<b>Psychiatric emergencies and crisis intervention</b> <ul style="list-style-type: none"> <li>• Types of psychiatric emergencies and their management</li> <li>• Stress adaptation Model: stress &amp; stressor, coping, resources and mechanism</li> <li>• Grief: Theories of grieving process, principles, techniques of counselling</li> <li>• Types of crisis</li> <li>• Crisis Intervention: Principles, Techniques and Process</li> <li>• Geriatric considerations</li> <li>• Role and responsibilities of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Clinical practice</li> </ul>
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<b>Legal issues in Mental Health Nursing</b> <ul style="list-style-type: none"> <li>• The Mental Health Act 1987: Act, Sections, Articles and their implications etc.</li> <li>• Indian Lunacy Act.1912</li> <li>• Rights of mentally ill clients</li> <li>• Forensic psychiatry</li> <li>• Acts related to narcotic and psychotropic substances and illegal drug trafficking</li> <li>• Admission and discharge procedures</li> <li>• Role and responsibilities of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Case discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XV	4	<ul style="list-style-type: none"> <li>Describe the model of preventive psychiatry</li> <li>Describes Community Mental health services and role of the nurse</li> </ul>	<b>Community Mental Health Nursing</b> <ul style="list-style-type: none"> <li>Development of Community Mental Health Services:</li> <li>National Mental Health Programme</li> <li>Institutionalization Versus Deinstitutionalization</li> <li>Model of Preventive psychiatry: Levels of Prevention</li> <li>Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse</li> <li>Mental Health Agencies: Government and voluntary, National and International</li> <li>Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV /AIDS etc.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Clinical/field practice</li> <li>Field visits to mental health service agencies</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of the field visit reports</li> </ul>

# MIDWIFERY AND OBSTETRICAL NURSING

Placement: Third Year

Time: Theory - 45 Hours

Practical - 180 Hours

**Course Description:** This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post-natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> <li>Recognise the trends and issues in midwifery &amp; obstetrical nursing</li> </ul>	<b>Introduction to midwifery and Obstetrical Nursing</b> <ul style="list-style-type: none"> <li>Introduction to concepts of midwifery &amp; obstetrical Nursing</li> <li>Trends in midwifery and obstetrical nursing                             <ul style="list-style-type: none"> <li>Historical perspectives and current trends</li> <li>Legal and ethical aspects</li> <li>Pre-conception care and preparing for parenthood</li> <li>Role of nurse in midwifery &amp; obstetrical care.</li> <li>National policy and legislation in relation to maternal health and welfare.</li> <li>Maternal, morbidity, mortality and fertility rates</li> <li>Perinatal, morbidity and mortality rates</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts and graphs</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>
II	8	<ul style="list-style-type: none"> <li>Describe the anatomy and physiology of female reproductive system</li> </ul>	<b>Review of anatomy and physiology of female reproductive system and foetal development</b> <ul style="list-style-type: none"> <li>Female pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, and variations in pelvis shape.</li> <li>Female organs of reproduction – external genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Review with Charts and models</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Physiology of menstrual cycle</li> <li>• Human sexuality</li> <li>• Foetal development               <ul style="list-style-type: none"> <li>▪ Conception</li> <li>▪ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term – functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord,</li> <li>▪ Foetal circulation, foetal skull, bones, sutures and measurements.</li> </ul> </li> <li>• Review of Genetics</li> </ul>		
III	8	Describe the diagnosis and management of women during antenatal period.	<b>Assessment and management of pregnancy (ante-natal)</b> <ul style="list-style-type: none"> <li>• Normal pregnancy</li> <li>• Physiological changes during pregnancy.               <ul style="list-style-type: none"> <li>▪ Reproductive system</li> <li>▪ Cardio vascular system</li> <li>▪ Respiratory system</li> <li>▪ Urinary system</li> <li>▪ Gastro intestinal system</li> <li>▪ Metabolic changes</li> <li>▪ Skeletal changes</li> <li>▪ Skin changes</li> <li>▪ Endocrine system</li> <li>▪ Psychological changes</li> <li>▪ Discomforts of pregnancy</li> </ul> </li> <li>• Diagnosis of pregnancy               <ul style="list-style-type: none"> <li>▪ Signs</li> <li>▪ Differential diagnosis</li> <li>▪ Confirmatory tests</li> </ul> </li> <li>• Ante-natal care               <ul style="list-style-type: none"> <li>▪ Objectives</li> <li>▪ Assessment</li> <li>- History and physical examination</li> <li>- Antenatal Examination</li> <li>- Signs of previous child-birth</li> <li>▪ Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position</li> <li>▪ Per vaginal examination.</li> </ul> </li> <li>• Screening and assessment for high risk;</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Case discussion/ presentation</li> <li>• Health talk</li> <li>• Practice session</li> <li>• Counseling session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problems</li> </ul>



Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Risk approach</li> <li>• History &amp; Physical Examination</li> <li>• Modalities of diagnosis: Invasive &amp; Non-Invasive, ultrasonic cardio-tomography, NST, CST</li> <li>• Antenatal preparation <ul style="list-style-type: none"> <li>▪ Antenatal counseling</li> <li>▪ Antenatal exercises</li> <li>▪ Diet</li> <li>▪ Substance use</li> <li>▪ Education for child-birth</li> <li>▪ Husband and families</li> <li>▪ Preparation for safe confinement</li> <li>▪ Prevention from radiation</li> </ul> </li> <li>• Psycho-social and cultural aspects of pregnancy <ul style="list-style-type: none"> <li>▪ Adjustment to pregnancy</li> <li>▪ Unwed mother</li> <li>▪ Single parent</li> <li>▪ Teenage pregnancy</li> <li>▪ Sexual violence</li> </ul> </li> <li>• Adoption</li> </ul>		
IV	12	<ul style="list-style-type: none"> <li>• Describe the physiology and stages of labour.</li> <li>• Describe the management of women during intranatal period</li> </ul>	<p><b>Assessment and management of intra-natal period.</b></p> <ul style="list-style-type: none"> <li>• Physiology of labour, mechanism of labour</li> <li>• Management of labour. <ul style="list-style-type: none"> <li>▪ First stage <ul style="list-style-type: none"> <li>- Signs and symptoms of onset of labour; normal and abnormal</li> <li>- Duration</li> <li>- Preparation of: <ul style="list-style-type: none"> <li>√Labour room</li> <li>√Woman</li> </ul> </li> <li>- Induction of labour</li> <li>- Pain relief and comfort in labour.</li> </ul> </li> <li>▪ Second stage <ul style="list-style-type: none"> <li>- Induction of labour</li> <li>- Pain relief and comfort in labour.</li> </ul> </li> <li>▪ Second stage <ul style="list-style-type: none"> <li>- Induction of labour</li> <li>- Pain relief and comfort in labour.</li> </ul> </li> <li>▪ Second stage</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Case discussion/presentation</li> <li>• Simulated practice</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problems</li> </ul>

Unit	Time (hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Signs and symptoms, normal and abnormal</li> <li>• Duration</li> <li>• Conduct of delivery; Principles &amp; techniques</li> <li>• Episiotomy (only if required)</li> <li>• Receiving the new born</li> <li>▪ Neonatal resuscitation; initial steps &amp; subsequent resuscitation</li> <li>▪ Care of umbilical cord</li> <li>▪ Immediate assessment including screening for congenital anomalies</li> <li>▪ Identification</li> <li>▪ Bonding</li> <li>▪ Initiate feeding</li> <li>▪ Screening and transportation of the neonate</li> <li>▪ Third stage</li> <li>- Signs and symptoms; normal and abnormal</li> <li>- Duration</li> <li>- Method of placental expulsion</li> <li>- Management; Principles and techniques</li> <li>- Examination of the placenta</li> <li>-/ Examination of perineum</li> <li>▪ Maintaining records and reports</li> <li>▪ Fourth Stage</li> </ul>		
V	6	<ul style="list-style-type: none"> <li>• Describe the physiology of puerperium.</li> <li>• Describe the management of women during postnatal period.</li> </ul>	<b>Assessment and management of women during post-natal period</b> <ul style="list-style-type: none"> <li>• Normal puerperium; Physiology</li> <li>• Duration</li> <li>• Postnatal assessment and management- <ul style="list-style-type: none"> <li>- Promoting physical and emotional well-being</li> <li>- Lactation management</li> <li>- Immunization</li> </ul> </li> <li>• Family dynamics after child-birth.</li> <li>• Family welfare services; methods, counselling</li> <li>• Follow-up</li> <li>• Records and reports</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Health talk</li> <li>• Practice Session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problems</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VI	7	Describe the assessment and management of normal neonate.	<b>Assessment &amp; management of normal neonates</b> <ul style="list-style-type: none"> <li>• Normal Neonate; Physiological adaptation, <ul style="list-style-type: none"> <li>- Initial &amp; Daily assessment</li> <li>- Essential new-born care; Thermal control,</li> <li>- Breast feeding, prevention of infections</li> </ul> </li> <li>• Immunization</li> <li>• Minor disorders of new-born and its management</li> <li>• Levels of Neonatal care (level I, II, &amp; III)</li> <li>• At primary, secondary and tertiary levels</li> <li>• Maintenance of Reports and Records</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice Session</li> <li>• Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Assessment of skills with checklist</li> <li>• Assessment of patient management problems</li> </ul>



# NURSING RESEARCH AND STATISTICS

**Placement:** Third Year

**Time:** Theory - 45 Hours  
Internship Practical- 45 Hours

**Course Description:** The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> <li>Describe the concept of research, terms, need and areas of research in nursing.</li> <li>Explain the steps of research process</li> </ul>	<b>Research and research process:</b> <ul style="list-style-type: none"> <li>Introduction and need for nursing research</li> <li>Definition of Research &amp; nursing research</li> <li>Steps of scientific method</li> <li>Characteristics of good research</li> <li>Steps of Research process-overview</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Narrate steps of research process followed from examples of published studies</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
II	3	Identify and state the research problem and objectives	<b>Research Problem/ Question</b> <ul style="list-style-type: none"> <li>Identification of problem area</li> <li>Problem statement</li> <li>Criteria of a good research problem.</li> <li>Writing objectives</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Exercise on writing statement of problem and objectives</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
III	3	Review the related literature	<b>Review of Literature</b> <ul style="list-style-type: none"> <li>Location</li> <li>Sources</li> <li>On line search; CINHAL, COCHRANE etc.</li> <li>Purposes</li> <li>Method of review</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Exercise on reviewing one research report/ article for a selected research problem.</li> <li>Prepare annotated bibliography</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	4	Describe the research approaches and designs	<b>Research approaches and designs</b> <ul style="list-style-type: none"> <li>Historical, survey and experimental</li> <li>Qualitative and Quantitative designs</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Explain types of research approaches used from examples of published and unpublished research studies with rationale</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
V	8	<ul style="list-style-type: none"> <li>Explain the sampling process</li> <li>Describe the methods of data collection</li> </ul>	<b>Sampling and data collection</b> <ul style="list-style-type: none"> <li>Definition of Population, Sample, Sampling criteria, factors influencing sampling process, types of sampling techniques.</li> <li>Data- why, what, from whom, when and where to collect</li> <li>Data collection methods and instruments: <ul style="list-style-type: none"> <li>Methods of data collection</li> <li>Questioning, interviewing</li> <li>Observations, record analysis &amp; measurement</li> <li>Types of instruments</li> <li>Validity &amp; Reliability of the Instrument</li> <li>Pilot study</li> </ul> </li> <li>Data collection procedure</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Reading assignment on examples of data collection tools.</li> <li>Preparation of sample data collection tool.</li> <li>Conduct group research project.</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
VI	4	Analyse, Interpret and summarize the research data	<b>Analysis of data:</b> <ul style="list-style-type: none"> <li>Compilation, Tabulation, classification, summarization, presentation, interpretation of data</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Preparation of sample tables.</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
VII	15	<ul style="list-style-type: none"> <li>Explain the use of statistics, scales of measurement and graphical presentation of data</li> </ul>	<b>Introduction to statistics</b> <ul style="list-style-type: none"> <li>Definition, use of statistics, scales of measurement.</li> <li>Frequency distribution and graphical presentation of data</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Practice on graphical presentations</li> <li>Practice on computation of measures of central tendency, variability &amp; correlation</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<ul style="list-style-type: none"> <li>Describe the measures of central tendency and variability and methods of correlation.</li> </ul>	<ul style="list-style-type: none"> <li>Mean, Median, Mode, Standard deviation</li> <li>Normal Probability and tests of significance</li> <li>Co-efficient of correlation.</li> <li>Statistical packages and its application</li> </ul>		
VIII	4	Communicate and utilize the research findings.	<b>Communication and utilization of Research</b> <ul style="list-style-type: none"> <li>Communication of research findings <ul style="list-style-type: none"> <li>Verbal report</li> <li>Writing research report</li> <li>Writing scientific article/paper</li> <li>Critical review of published research</li> <li>Utilization of research findings</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Read/Presentations of a sample published/unpublished research report.</li> <li>Writing group research project</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> <li>Oral presentation</li> <li>Assessment of group research project.</li> </ul>