



C.U. SHAH UNIVERSITY

(Established under Gujarat Private Universities (Amendment) Act 18 to 2013)

Sponsored By: WARDHMAN BHARTI TRUST A Center of Excellence for Multi Disciplinary Research, Innovation and Culture.

FACULTY OF NURSING



Syllabus

3rd Year Basic B.Sc. Nursing

(4 year Degree Programme)

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COURSE OF INSTRUCTION & SCHEME OF EXAMINATION

Course of instruction :

Sr. No.	Subject Code	Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In hrs)
1	4NS03MSN2	Medical Surgical Nursing (Adult including Geriatric) – II	120	270	-
2	4NS03CHN1	Child Health Nursing	90	270	-
3	4NS03MHN1	Mental Health Nursing	90	270	-
4	4NS03MON1	Midwifery & Obstetrical Nursing	45	180	-
5	4NS03NRS1	Nursing Research and Statistics	45	-	-
Library work / Self study			-	-	50
Co-curricular activities			-	-	50
Total Hours			390	990	100
Total Hours = 1480 hrs					

Scheme of examination:

Sr. No.	Subject Code	Subject	Assessment			
			Hours	Internal	External	Total
Theory						
1	4NS03MSN2	Medical Surgical Nursing (Adult including Geriatric) - II	3	25	75	100
2	4NS03CHN1	Child Health Nursing	3	25	75	100
3	4NS03MHN1	Mental Health Nursing	3	25	75	100
4	4NS03NRS1	Nursing Research and Statistics	3	25	75	100
Practical & Viva Voce						
5	4NS03MSN2	Medical Surgical Nursing (Adult including Geriatric) - II	-	50	50	100
6	4NS03CHN1	Child Health Nursing	-	50	50	100
7	4NS03MHN1	Mental Health Nursing	-	50	50	100

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
I	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear, Nose and Throat	<p>Nursing management of patient with disorders of Ear, Nose and Throat :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the Ear, Nose and Throat • Nursing assessment - History and Physical assessment • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Ear, Nose & Throat disorders : ✚ External Ear - deformities otalgia, foreign bodies, and tumours ✚ Middle Ear - Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours ✚ Inner ear - Meniere’s Disease, labyrinthitis, ototoxicity, tumours ✚ Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis • Upper respiratory airway – epistaxis • Nasal obstruction, laryngeal obstruction, cancer of the larynx • Cancer of the oral cavity • Speech defects and speech therapy • Deafness – Prevention, control and rehabilitation • Hearing Aids, implanted hearing devices <p>Special Therapies Nursing procedures Drugs used in treatment of disorders of Ear, Nose and Throat Role of nurse in communicating with hearing impaired and muteness</p>

II	15	<p>Describe the etiology, pathophysiology, clinical manifestations,</p> <p>diagnostic measures and management of patients with disorders of Eye.</p>	<p>Nursing management of patient with disorder of Eye :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the eye • Nursing Assessment - History and Physical assessment • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of eye disorders – <ul style="list-style-type: none"> ✓ Refractive errors ✓ Eyelids - infection, tumours & deformities ✓ Conjunctiva - inflammation and infection, bleeding ✓ Cornea - inflammation and infection ✓ Lens - Cataracts ✓ Glaucoma ✓ Disorder of the uveal tract, ✓ Ocular tumours ✓ Disorders of posterior chamber & retina - retinal and vitreous problems ✓ Retinal detachment ✓ Ocular emergencies and their prevention • Blindness • National Blindness Control Program • Eye Banking • Eye prostheses and Rehabilitation • Role of nurse - Communication with visually impaired patient, Eye camps • Special Therapies Nursing procedures • Drugs used in treatment of disorders of eye
III	16	<p>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Neurologic al disorders</p>	<p>Nursing management of patient with Neurological disorders :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the neurological system • Nursing Assessment - History and Physical and neurological assesemnt and Glasgo Coma Scale • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of neurological disorders - <ul style="list-style-type: none"> • Congenital malformations • Headache • Head Injuries • Spinal Injuries - <ul style="list-style-type: none"> ✓ Paraplegia ✓ Hemiplegia ✓ Quadraplegia • Spinal cord compression - herniation of inter-vertebral disc • Tumors of the brain & spinal cord

			<ul style="list-style-type: none"> • Intra cranial & cerebral aneurysms • Infections : <ul style="list-style-type: none"> ✓ Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders - <ul style="list-style-type: none"> ✓ Chorea ✓ Seizures ✓ Epilepsies • Cerebro Vascular Accidents (CVA) • Cranial, Spinal Neuropathies - Bell's palsy, trigeminal neuralgia • Peripheral Neuropathies - Guillain-Barr'e Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases - <ul style="list-style-type: none"> ✓ Delirium ✓ Dementia ✓ Alzheimer's disease ✓ Parkinson's disease • Management of unconscious patients & patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit <p>Role of nurse in long stay facility (institutions) and at home</p> <p>Special Therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of neurological disorders</p>
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IV	16	<p>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with disorders of female reproductive system</p> <p>Describe concepts of reproductive health & family welfare programme</p>	<p>Nursing management of patients with disorders of female reproductive system :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the female reproductive system • Nursing Assessment - History and Physical assessment • Breast Self Examination • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of disorder of female reproductive system - • Congenital abnormalities of female reproductive system • Sexuality & Reproductive Health • Sexual Health Assessment • Menstrual Disorders - Dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abnormal Uterine Bleeding - Menorrhagia, Metrorrhagia • Pelvic Inflammatory Disease • Ovarian and fallopian tube disorders - infections, cysts, tumours • Uterine & cervical disorders - Endometriosis, polyps, Fibroids, Cervical & uterine tumours, uterine displacement, Cystocele, Urethrocele & Rectocele • Vaginal disorders – Infections, Discharges, Fistulas • Vulver Disorders – Infection, cysts, tumours • Diseases of breasts - Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception – Types, Methods, Risk and effectiveness ❖ Spacing Methods - - Barrier methods, Intra Uterine Devices, Hormonal & Post Conceptional Methods, etc ❖ Terminal methods - Sterilization • Emergency Contraception methods • Abortion – Natural, Medical & surgical abortion – MTP Act • Toxic Shock Syndrome • Injuries & Trauma; Sexual violence <p>Special Therapies Nursing procedures Drugs used in treatment of Gynaecological disorders National Family Welfare Programme</p>
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V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Burns, re-constructive and cosmetic surgery	<p>Nursing management of patients with Burns, re-constructive & cosmetic surgery :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin & connective tissues and various deformities • Nursing Assessment - History and Physical assessment & Assessment of burns & fluid and electrolyte loss • Etiology, classification, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Burns & Re-constructive and Cosmetic surgery - • Types of Re-constructive and Cosmetic surgery - for burns, congenital deformities, injuries & cosmetic purposes • Role of Nurse • Legal aspects • Rehabilitation • Special therapies - Psycho social aspects <p>Nursing procedures Drugs used in treatment of Burns, re-constructive and cosmetic surgery</p>
VI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Oncology	<p>Nursing management of patients with oncological conditions :</p> <ul style="list-style-type: none"> • Structure & characteristics of normal & cancer cells • Nursing Assessment - History and Physical assessment • Prevention, Screening, Early detection, Warning signs of cancer • Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of oncological conditions - • Common malignancies of various body systems - Oral, larynx, lung, Stomach & Colon, Liver, Leukemias & lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate, etc • Oncological emergencies • Modalities of treatment - ✓ Immunotherapy ✓ Chemotherapy ✓ Radiotherapy ✓ Surgical Interventions ✓ Stem cell and Bone marrow transplants ✓ Gene therapy ✓ Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation • Palliative care - Symptom and Pain Management,

			<p>Nutritional support</p> <ul style="list-style-type: none"> • Home care • Hospice care • Stomal Therapy • Special therapies - Psycho social aspects • Nursing procedures
VII	10	<p>Describe organization of emergency & disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p>Nursing management of patient in Emergency & Disaster situations :</p> <p>Disaster Nursing -</p> <ul style="list-style-type: none"> • Concepts & principles of Disaster Nursing • Causes and Types of Disaster - Natural and Man-made ✓ Earthquakes, Floods, Epidemics, Cyclones ✓ Fire, Explosion, Accidents ✓ Violence, Terrorism - Biochemical & War • Policies related to emergency / disaster management - International, National, State, Institutional • Disaster preparedness • Team, Guidelines, protocols, Equipments, Resources • Co-ordination and involvement of - Community, various govt. departments, non-govt. organizations & International agencies • Role of nurse - working • Legal Aspects of Disaster Nursing • Impact on Health and after effects - Post Traumatic Stress Disorder • Rehabilitation - physical, psycho-social, financial, relocation <p>Emergency Nursing -</p> <ul style="list-style-type: none"> • Concept, priorities, principles & scope of emergency nursing • Organization of emergency services-physical set up, staffing, equipment and supplies, protocols, Concepts of triage & role of triage nurse • Coordination & involvement of different departments & facilities • Nursing Assessment - History and Physical assessment Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of patient with medical & surgical Emergency - • Principles of emergency management

			<ul style="list-style-type: none"> • Common Emergencies • Respiratory Emergencies • Cardiac Emergencies • Shock & Haemorrhage • Pain • Poly - Trauma, road accidents, crush injuries, wound • Bites • Poisoning - Food, Gas, Drugs & Chemical poisoning • Seizures • Thermal Emergencies - Heat stroke & Cold injuries • Paediatric Emergencies • Psychiatric Emergencies • Obstetrical Emergencies • Violence, Abuse, Sexual assault • Cardio Pulmonary Resuscitation • Crisis Intervention • Role of the nurse - Communication & Inter personal Relations • Medico-Legal Aspects
VIII	10	<p>Explain the concept and problems of Ageing</p> <p>Describe nursing care of the elderly</p>	<p>Nursing care of the elderly :</p> <ul style="list-style-type: none"> • Nursing Assessment – History & Physical assessment • Ageing • Demography - Myths and realities • Concepts & theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of Ageing • Medications and elderly • Stress & coping in older adults • Common Health Problems & Nursing Management - Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genitor-urinary, Gastrointestinal, Neurological, Skin and other Sensory organs ✓ Psychosocial and Sexual ✓ Abuse of elderly • Role of nurse for care of elderly-ambulation, nutritional, communicational, psychosocial & spiritual • Role of nurse for caregivers of elderly • Role of family and formal and non formal caregivers • Use of aids & prosthesis (hearing aids, dentures) • Legal & Ethical Issues • Provisions & Programmes for elderly - Privileges, Community Programs and health services

			<ul style="list-style-type: none"> • Home & institutional care
IX	10	<p>Describe organization of critical care units</p> <p>Describe the role of nurse in management of patients in critical care units</p>	<p>Nursing management of patient in critical care units :</p> <ul style="list-style-type: none"> • Nursing Assessment –History & Physical assessment • Classification • Principles of critical care nursing • Organization - Physical set-up, Policies, Staffing norms • Protocols, equipment and supplies • Special equipments - ventilators, cardiac monitors, defibrillators, Resuscitation equipments • Infection Control Protocols • Nursing management of critically ill patient - Monitoring of critically ill patient • CPR - Advance Cardiac Life support • Treatments & procedures • Transitional care • Ethical & Legal Aspects • Communication with patient and family • Intensive care records • Crisis Intervention • Death & Dying - coping with such a patient • Drugs used in critical care unit
X	8	<p>Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures & management of patients with Occupational and Industrial health disorder</p>	<p>Nursing management of patients (adults including elderly) with Occupational and Industrial health disorders :</p> <ul style="list-style-type: none"> • Nursing Assessment –History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Occupational and Industrial health disorders • Role of nurse • Special Therapies, alternative therapies • Nursing procedures • Drugs used in treatment of Occupational & Industrial disorders

MEDICAL SURGICAL NURSING – II PRACTICAL

(ADULT AND GERIATRICS) – II

Placement -Third Year
Internship – 430 hrs

Time - Practical – 270 hrs

Areas	Durati on (in wks)	Objectives of Posting	Skills to be developed
ENT	1	Provide care to patients with ENT disorders Counsel and educate patient and families	<ul style="list-style-type: none"> • Perform examination of ear, nose and throat • Assist with diagnostic procedures • Assist with therapeutic procedures • Instillation of drops • Perform/assist with irrigations • Apply ear bandage • Perform tracheostomy care • Teach patients & families
Ophthalmology	1	Provide care to patients with Eye disorders Counsel and educate patient and families	<ul style="list-style-type: none"> • Perform examination of eye • Assist with diagnostic procedures • Assist with therapeutic procedures • Perform/assist with irrigations • Apply eye bandage • Apply eye drops/ ointments • Assist with foreign body removal • Teach patients & families
Neurology	2	Provide care to patients with neurological disorders Counsel and educate patient and families	<ul style="list-style-type: none"> • Perform Neurological Examination • Use Glasgow coma scale • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients & families • Participate in rehabilitation program
Gynaecology ward	1	Provide care to patients with gynaecological disorders Counsel and educate patient and families	<ul style="list-style-type: none"> • Assist with gynaecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients & families • Teaching Breast Self Examination • Assist with PAP smear collection
Burns Unit	1	Provide care to patients with	<ul style="list-style-type: none"> • Assessment of the burns patient

		<p>Burns</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Percentage of burns • Degree of burns • Fluid & electrolyte replacement therapy – Assess, Calculate, Replace • Record intake/output • Care of Burn wounds – Bathing, Dressing Perform active & passive exercises • Practice medical & surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program
Onology Unit	1	<p>Provide care to patients with Cancer</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Screen for common cancers - TNM classification • Assist with diagnostic procedures – Biopsies, Pap smear, Bone- marrow aspiration • Breast examination • Assist with therapeutic procedures • Participate in various modalities of treatment – Chemotherapy, Radiotherapy • Pain management • Stoma therapy • Hormonal therapy • Immuno therapy • Gene therapy • Alternative therapy • Participating palliative care • Counsel and teach patients families • Breast Self Examination • Warning signs • Participate in rehabilitation program
Critical care unit	2	<p>Provide care to critically ill patients</p> <p>Counsel patient and families for grief and bereavement</p>	<ul style="list-style-type: none"> • Monitoring of patients in ICU • Maintain flow sheet • Care of patient on ventilators • Perform Endotracheal suction • Demonstrates use of ventilators, cardiac monitors, etc. • Collect specimens and interpret ABG analysis • Assist with arterial puncture • Maintain CVP line • Pulse oximetry • CPR – ALS • Defibrillators • Pace makers • Bag - mask ventilation

			<ul style="list-style-type: none"> • Emergency tray / trolley • Administration of drugs - Infusion pump, • Epidural, Intra thecal, Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family in dealing with grieving and bereavement
Casualty / Emergency	1	<p>Provide care to patients in emergency and disaster situation</p> <p>Counsel patient and families for grief and bereavement</p>	<ul style="list-style-type: none"> • Practice “Triage” • Assist with assessment, examination, investigations & their interpretations in emergency & disaster situations • Assist in documentations • Assist in legal procedures in emergency unit • Participate in managing crowd • Counsel patient & families in grief and bereavement

Areas	Duration (in week)	Objective	Skills	Assessment
Medical ward	2	<ul style="list-style-type: none"> Provide comprehensive care to patients with medical and surgical conditions including emergencies Assist with common operations 	Integrated Practice	- Assess clinical performance with rating scale
Surgical ward	2			
Critical care unit / ICCU	1			
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

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
I	15	<p>Explain the modern concept of child care & principles of child health Nursing</p> <p>Describe national policy programs and legislation in relation to child health and welfare</p> <p>List major causes of death during infancy, early & late childhood</p> <p>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing</p>	<p>Introduction modern concepts of childcare :</p> <ul style="list-style-type: none"> • Internationally accepted rights of the child • National policy & legislations in relation to child health and welfare • National programmes related to child health and welfare • Agencies related to welfare services to the children • Changing trends in hospital care - preventive, promotive & curative aspects of child health • Child morbidity and mortality rates • Differences between an adult and child • Hospital environment for a sick child • Impact of hospitalization on the child and family • Grief and bereavement • The role of a Child health nurse in caring for a hospitalised child • Principles of pre and post operative care of infants and children • Child health nursing procedures

II	20	<p>Identify the nutritional needs of children at different ages and ways of meeting the needs</p> <p>Appreciate the role of play for normal & sick children</p> <p>Appreciate the preventive measures and strategies for children</p>	<p>The healthy child :</p> <ul style="list-style-type: none"> • Principles of growth and development • Factors affecting growth & development • Growth and development from birth to adolescence • The needs of normal children through the stages of developmental and parental guidance • Nutritional needs of children & infants - breast feeding, exclusive breast feeding, supplementary / artificial feeding and weaning • Baby Friendly Hospital Concept • Accidents - causes and prevention • Value of play and selection of play material • Preventive immunization, Immunization Programme and Cold chain • Preventive paediatrics • Care of under five & under five clinics / well baby clinics
III	15	<p>Provide care to normal & high risk neonates</p> <p>Perform neonatal resuscitation</p> <p>Recognize and manage common neonatal problems</p>	<p>Nursing care of a neonate :</p> <ul style="list-style-type: none"> • Nursing care of a normal newborn / Essential newborn care • Neonatal resuscitation • Nursing management of a low birth weight baby • Kangaroo mother care • Nursing management of common neonatal disorders • Organization of neonatal unit • Identification & nursing management of common congenital malformations
IV	10	-	<p>Integrated management of neonatal and childhood illnesses (IMNCI)</p>
V	20	<p>Provide nursing care in common childhood diseases</p> <p>Identify measures to prevent common childhood diseases</p>	<p>Nursing management in common childhood diseases :</p> <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardio vascular problem - congenital defects and rheumatic fever, rheumatic heart disease • Genitor-urinary disorders - acute glomerulo nephritis, nephrotic syndrome, Wilms' tumor, infection and congenital disorders

		including immunization	<ul style="list-style-type: none"> • Neurological infections and disorders - convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida • Hematological disorders - Anemias, Thalassemia, ITP, Leukemia, hemophilia • Endocrine disorders - Juvenile Diabetes Mellitus • Orthopedic disorders - club feet, hip dislocation and fracture • Disorders of skin, eye, & ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention • Child health emergencies - poisoning, foreign bodies, haemorrhage, burns & drowning • Nursing care of infant and children with HIV / AIDS
VI	10	<p>Manage the child with behavioural & social problems</p> <p>Identify the social & welfare services for challenged children</p>	<p>Management of behavioural & social problems in children :</p> <ul style="list-style-type: none"> • Management of common behavioural disorders • Management of common psychiatric problems • Management of challenged children - Mentally, Physically & socially challenged • Welfare services for challenged children in India • Child Guidance Clinics

CHILD HEALTH NURSING – PRACTICAL

Placement - Third Year
Fourth Year

Time -270 hours (9 Weeks)
Internship -145 hours (3 Weeks)

Areas	Duration (in weeks)	Objectives	Skills
Paediatric Medicine ward	3	Provide nursing care to children with various medical disorders Counsel and educate parents	<ul style="list-style-type: none"> • Taking paediatric History • Physical examination and assessment of children • Administration of oral, IM & IV medicine / fluids • Calculation of fluid requirements • Prepare different strengths of IV fluids • Apply restraints • Administer O2 inhalation by different methods • Give baby bath Feed children by Katori spoon, etc. • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers / parents - <ul style="list-style-type: none"> ○ Malnutrition ○ Oral rehydration therapy ○ Feeding & Weaning ○ Immunization Schedule ○ Play therapy ○ Specific Disease conditions
Paediatric Surgery Ward	3	Recognize different paediatric surgical conditions / malformations Provide pre and post operative care to children with common paediatric surgical	<p>Calculate, prepare and administer I/V fluids</p> <ul style="list-style-type: none"> • Do bowel wash • Care for ostomies : <ul style="list-style-type: none"> ○ Colostomy ○ irrigation ○ Ureterostomy ○ Gastrostomy ○ Enterostomy • Urinary catheterization and drainage • Feeding – Naso- gastric, • Gastrostomy, • Jejunostomy

		conditions / malformation Counsel and educate parents	<ul style="list-style-type: none"> Care of surgical wounds – Dressing & Suture removal
Paediatric OPD/ Immunization room	1	<p>Perform assessment of children - Health, Developmental and Anthropometric</p> <p>Perform Immunization</p> <p>Give Health Education / Nutritional Education</p>	<ul style="list-style-type: none"> Assessment of children - Health assessment, Developmental assessment, Anthropometric assessment Immunization Health / Nutritional Education
Paediatric medicine and surgery ICU	1+1	Provide nursing care to critically ill children	<ul style="list-style-type: none"> Care of a baby in incubator / warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy Monitoring of babies Cardio Pulmonary Resuscitation – Neonatal & Paediatric

Areas	Duration (in week)	Objective	Skills	Assessment
Paediatric medicine ward / ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice	Assess clinical performance with rating scale
Paediatric surgery ward / ICU	1	Provide comprehensive care to children with surgical conditions	Integrated Practice	Assess clinical performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated Practice	Assess clinical performance with rating scale

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
I	5	<p>Describe the historical development & current trends in mental health nursing</p> <p>Describe the epidemiology of mental health problems</p> <p>Describe the National Mental Health Act, programmes and mental health policy</p> <p>Discuss the scope of mental health nursing</p> <p>Describe the concept of normal & abnormal behaviour</p>	<p>Introduction :</p> <ul style="list-style-type: none"> • Perspectives of Mental Health and Mental Health nursing - evolution of mental health services, treatments and nursing practices, • Prevalence and incidence of mental health problems and disorders • Mental Health Act • National Mental Health Policy vis a vis National Health Policy • National Mental health Programme • Mental Health team • Nature and scope of mental health nursing • Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice • Concepts of normal and abnormal behavior
II	5	<p>Define the various terms used in mental health nursing</p> <p>Explain the</p>	<p>Principles and Concepts of Mental Health Nursing :</p> <ul style="list-style-type: none"> • Definition - mental health nursing and terminology used • Classification of mental disorders - ICD • Review of personality development,

		<p>classification of mental disorders</p> <p>Explain psychodynamics of maladaptive behavior</p> <p>Discuss the etiological factors, psychopathology of mental disorders</p> <p>Explain the Principles & standards of mental health nursing</p> <p>Describe the conceptual models of mental health nursing</p>	<p>defence mechanisms</p> <ul style="list-style-type: none"> • Maladaptive behaviour of individuals and groups - stress, crisis and disaster(s) • Etiology-bio-psycho-social factors • Psychopathology of mental disorders - review of structure & function of brain, limbic system and abnormal neuro transmission • Principles of Mental health Nursing • Standard of mental health nursing practice • Conceptual models and the role of nurse - <ul style="list-style-type: none"> ○ Existential Model ○ Psycho - analytical models ○ Behavioural model ○ Interpersonal model
III	8	Describe nature, purpose & process of assessment of mental health Status	<p>Assessment of mental health status :</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examination - review • Investigations - Related Blood chemistry, EEG, CT & MRI • Psychological tests • Role and Responsibilities of nurse
IV	6	<p>Identify therapeutic communication techniques</p> <p>Describe therapeutic relationship</p> <p>Describe</p>	<p>Therapeutic communication and nurse - patient relationship :</p> <ul style="list-style-type: none"> • Therapeutic communication - types, techniques, characteristics • Types of relationship • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR- Johari Window • Goals, phases, tasks, therapeutic techniques

		therapeutic impasse and its intervention	<ul style="list-style-type: none"> • Therapeutic impasse and its intervention
V	14	Explain treatment modalities & therapies used in mental disorders and role of the nurse	<p>Treatment modalities and therapies used in mental disorders :</p> <ul style="list-style-type: none"> • Psycho Pharmacology • Psychological therapies - Therapeutic community, Psycho therapy-individual-psycho-analytical, cognitive & supportive, Family, Group, behavioural. Play, Psycho-drama, Music, Dance, Recreational & Light therapy, Relaxation therapies -Yoga, Meditation, bio feedback • Alternative systems of medicine • Occupational therapy • Physical Therapy - Electro convulsive therapy • Geriatric considerations <p>Role of nurse in above therapies</p>
VI	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with Schizophrenia and other psychotic disorders	<p>Nursing management of patient with Schizophrenia and other psychotic disorders :</p> <ul style="list-style-type: none"> • Classification - ICD <p>Etiology, psycho-pathology, types, clinical manifestations, diagnosis</p> <ul style="list-style-type: none"> ✓ Nursing Assessment - History, Physical & mental assessment ✓ Treatment modalities and nursing management of patients with Schizophrenia & other psychotic disorders • Geriatric considerations • Follow up and home care and rehabilitation
VII	5	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	<p>Nursing management of patient with mood disorders :</p> <ul style="list-style-type: none"> • Mood disorders - Bipolar affective disorder, Mania, depression & dysthymia etc • Etiology, psycho-pathology, clinical manifestations, diagnosis • Nursing Assessment – History, Physical and mental assessment • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation

VIII	8	Describe the etiology , psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	<p>Nursing management of patient with neurotic, stress related and somatization disorders :</p> <ul style="list-style-type: none"> • Anxiety disorder - Phobias, Dissociation and Conversion disorder, Obsessive Compulsive Disorder, somatoform disorders, Post traumatic stress disorder • Etiology, psycho-pathology, clinical manifestations, diagnosis • Nursing Assessment- History, Physical & mental assessment • Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders • Geriatric considerations • Follow-up and home care and rehabilitation
IX	5	Describe the etiology psycho-pathology, 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"> • Commonly used psychotropic substance - Classification, forms, routes, action, intoxication & withdrawal • Etiology of dependence - tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis • Nursing Assessment - History, Physical, mental assessment and drug assay • Treatment (detoxification, antagonism and narcotic antagonist therapy and harm reduction) & nursing management of patients with substance use disorders • Geriatric considerations • Follow-up and home care and rehabilitation
X	4	Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Personality, Sexual & Eating disorders	<p>Nursing management of patient with Personality, Sexual & Eating disorders :</p> <ul style="list-style-type: none"> • Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis • Nursing assessment - History, Physical and mental assessment • Treatment modalities and nursing management of patients with Personality, Sexual & Eating disorders • Geriatric considerations • Follow-up and home care and rehabilitation

XI	6	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<p>Nursing management of childhood and adolescent disorders including mental deficiency :</p> <ul style="list-style-type: none"> • Classification • Etiology, psycho-pathology, characteristics, diagnosis <p>Nursing assessment - History, Physical, mental and IQ assessment</p> <ul style="list-style-type: none"> • Treatment modalities and nursing management of childhood disorders including mental deficiency • Follow-up and home care and rehabilitation
XII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders	<p>Nursing management of organic brain disorders :</p> <ul style="list-style-type: none"> • Classification - ICD • Etiology, psycho-pathology, clinical features, diagnosis, and Differential diagnosis (Parkinsons and Alzheimers) • Nursing assessment - History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations • Follow-up and home care and rehabilitation
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<p>Psychiatric emergencies and crisis intervention :</p> <ul style="list-style-type: none"> • Types of psychiatric emergencies and their management • Stress adaptation Model - stress and stressor, coping, resources and mechanism • Grief-theories of grieving process, principles, techniques of counselling • Types of crisis • Crisis Intervention- Principles, Techniques and Process • Geriatric considerations • Role and responsibilities of nurse
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<p>Legal issued in Mental Health Nursing :</p> <ul style="list-style-type: none"> • The Mental Health Act 1987 - Act, Sections, Articles & their implications etc. • Indian Lunacy Act - 1912

			<ul style="list-style-type: none"> • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures • Role and responsibilities of nurse
XV	4	<p>Describe the model of preventive psychiatry</p> <p>Describes Community Mental health services & role of the nurse</p>	<p>Community Mental Health Nursing :</p> <ul style="list-style-type: none"> • Development of Community Mental Health Services : • National Mental Health Programme • Institutionalization Versus De-institutionalization • Model of Preventive Psychiatry - Levels of Prevention • Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies - Government and voluntary, National and International • Mental health nursing issues for special populations - Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV / AIDS etc.

MENTAL HEALTH NURSING – PRACTICAL

Placement - Third Year
Fourth Year

Time -Practical - 270 hours (9 Weeks)
Clinical Training - 95 hours (2 Weeks)

Areas	Duration (in week)	Objectives	Skills
Psychiatric OPD	1	<p>Assess patients with mental health problems</p> <p>Observe & assist in therapies</p> <p>Counsel & educate patient, & families</p>	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Assist in Psychometric assessment • Perform Neurological examination • Observe and assist in therapies • Teach patients and family members
Child Guidance clinic	1	<p>Assessment of children with various mental health problems</p> <p>Counsel and educate children, families & significant others</p>	<ul style="list-style-type: none"> • History taking • Assist in psychometric assessment • Observe and assist in various therapies • Teach family and significant others
Inpatient ward	6	<p>Assess patients with mental health problems</p> <p>To provide nursing care for patients with various mental health problems</p> <p>Assist in various therapies</p> <p>Counsel & educate patients,</p>	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric assessment • Record therapeutic communication • Administer medications • Assist in Electro- Convulsive Therapy (ECT) • Participate in all therapies • Prepare patients for Activities of Daily living (ADL) • Conduct admission and discharge counselling • Counsel and teach patients and families

		families & significant others	
Community Psychiatry	1	<p>To identify patients with various mental disorders</p> <p>To motivate patients for early treatment & follow up</p> <p>To assist in follow up clinic</p> <p>Counsel and educate patient, family and community</p>	<ul style="list-style-type: none"> • Conduct case work • Identify individuals with mental health problems • Assists in mental health camps and clinics • Counsel and Teach family members, patients and community

Internship – 95 Hours (2 Weeks)

Areas	Duration (in week)	Objectives	Skills	Assessment Methods
Psychiatric Ward	2	Provide comprehensive care to patient with mental health problems	<ul style="list-style-type: none"> • Integrated practice 	Assess clinical performance with rating scale

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 women during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal & high risk neonates & participate in family welfare programme.

Unit	Time (Hrs)	Learning Objectives	Content
I	4	Recognise the trends & issues in midwifery and obstetrical nursing	<p>Introduction to midwifery and obstetrical Nursing :</p> <ul style="list-style-type: none"> • Introduction to concepts of midwifery and obstetrical nursing • Trends in midwifery and obstetrical nursing - • Historical perspectives and current trends • Legal and ethical aspects • Pre-conception care and preparing for parenthood • Role of nurse in midwifery and obstetrical care • National policy and legislation in relation to maternal health & welfare • Maternal morbidity, mortality and fertility rates • Perinatal morbidity and mortality rates
II	8	Describe the anatomy & physiology of female reproductive system	<p>Review of anatomy & physiology of female reproductive system and foetal development :</p> <ul style="list-style-type: none"> • Female pelvis- general description of the bones, joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variations in pelvis shape • Female organs of reproduction - external genitalia, internal genital organs and their anatomical relations, musculature, blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum • Physiology of menstrual cycle • Human sexuality • Foetal development - ✓ Conception ✓ Review of fertilization, implantation (embedding

			<p>of the ovum), development of the embryo & placenta at term functions, abnormalities, foetal sac, amniotic fluid, the umbilical cord</p> <ul style="list-style-type: none"> ✓ Foetal circulation ✓ Foetal skull, bones, sutures and measurements • Review of Genetics
III	8	Describe the diagnosis & management of women during antenatal period	<p>Assessment and management of pregnancy (Antenatal) :</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy - <ul style="list-style-type: none"> ✓ Reproductive system ✓ Cardio vascular system ✓ Respiratory system ✓ Urinary system ✓ Gastro intestinal system ✓ Metabolic changes ✓ Skeletal changes ✓ Skin changes ✓ Endocrine system ✓ Psychological changes ✓ Discomforts of pregnancy • Diagnosis of pregnancy - <ul style="list-style-type: none"> ✓ Signs ✓ Differential diagnosis ✓ Confirmatory tests • Ante-natal care - <ul style="list-style-type: none"> ✓ Objectives ✓ Assessment - History and physical examination, Antenatal Examination ✓ Signs of previous child birth ✓ Relationship of foetus to uterus and pelvis - Lie, Attitude, Presentation, Position ✓ Per vaginal examination • Screening & assessment for high risk • Risk approach • History and Physical Examination • Modalities of diagnosis - Invasive & Non-Invasive, ultrasonics, cardio- tomography, NST, CST • Antenatal preparation - <ul style="list-style-type: none"> ✓ Antenatal counselling ✓ Antenatal exercises ✓ Diet

			<ul style="list-style-type: none"> ✓ Substance use ✓ Education for child-birth ✓ Husband and families ✓ Preparation for safe- confinement ✓ Prevention from radiation • Psycho-social and cultural aspects of pregnancy - ✓ Adjustment to pregnancy ✓ Unwed mother ✓ Single parent ✓ Teenage pregnancy ✓ Sexual violence ✓ Adoption
IV	12	<p>Describe the physiology and stages of labour</p> <p>Describe the management of women during intra-natal period</p>	<p>Assessment and management of intra natal period :</p> <ul style="list-style-type: none"> • Physiology of labour, mechanism of labour • Management of labour - <ul style="list-style-type: none"> ✚ <u>First stage</u> - • Signs and symptoms of onset of labour - normal & abnormal • Duration • Preparation of - Labour room & Woman • Assessment & observation of women in labour • Partogram – maternal and foetal monitoring • Active management of labour, induction of labour • Pain relief and comfort in labour ✚ <u>Second stage</u> • Signs and symptoms - normal & abnormal • Duration • Conduct of delivery - principles and techniques • Episiotomy (only if required) • Receiving the new born – • Neonatal resuscitation - initial steps and subsequent resuscitation • Care of umbilical cord • Immediate assessment including screening for congenital anomalies • Identification • Bonding • Initiate feeding • Screening and transportation of the neonate ✚ <u>Third stage</u> - • Signs and symptoms - normal & abnormal

			<ul style="list-style-type: none"> • Duration • Method of placental expulsion • Management - Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports <p>✚ <u>Fourth Stage</u></p>
V	5	<p>Describe the physiology of puerperium</p> <p>Describe the management of women during post-natal period</p>	<p>Assessment and management of women during post natal period :</p> <ul style="list-style-type: none"> • Normal puerperium - Physiology & Duration • Postnatal assessment and management - <ul style="list-style-type: none"> ✓ Promoting physical and emotional well-being ✓ Lactation management ✓ Immunization • Family dynamics after child-birth • Family welfare services - methods, counselling • Follow-up • Records and reports
VI	6	<p>Describe the assessment and management of normal neonate</p>	<p>Assessment and management of normal neonates :</p> <ul style="list-style-type: none"> • Normal Neonate - Physiological adaptation • Initial & Daily assessment • Essential newborn care - Thermal control • Breast feeding & prevention of infections • Immunization • Minor disorders of newborn and its management • Levels of Neonatal care (level I, II & III) at primary, secondary and tertiary levels • Maintenance of Reports and Records

MIDWIFERY AND OBSTETRICAL NURSING – PRACTICAL

**Placement- Third Year
Fourth Year**

**Time- Practical - 180 hours
(Each in Third year & Fourth Year)
Internship - 240 hours**

Areas	Duration (in week)	Objectives	Skills
Antenat	2	<ul style="list-style-type: none"> • Assessment of pregnant women 	<ul style="list-style-type: none"> • Antenatal history taking • Physical examination • Recording of Weight & B.P. • Hb & Urine testing for sugar and albumin • Antenatal examination- abdomen and breast • Immunization • Assessment of risk status • Teaching antenatal mothers • Maintenance of Antenatal records
Labour room / O.T.	4	<ul style="list-style-type: none"> • Assess women in labour • Carry out per-vaginal examinations • Conduct normal deliveries • Perform episiotomy & suture it • Resuscitate newborns • Assist with Caesarean Sections, MTP and other surgical procedures 	<ul style="list-style-type: none"> • Assessment of women in labour • Per-vaginal examinations & interpretation • Monitoring & caring of woman in labour • Maintenance of partograph • Conduct normal delivery • Newborn assessment & immediate care • Resuscitation of newborns • Assessment of risk status of newborn • Episiotomy & suturing • Maintenance of labour & birth records • Arrange for & assist with caesarean section and care for woman & baby during caesarean • Arrange for and assist with MTP and other surgical procedures

Post natal ward	4	<ul style="list-style-type: none"> • Providing nursing care to post natal mother & baby • Counsel & teach mother & family for parenthood 	<ul style="list-style-type: none"> • Examination and assessment of mother and baby • Identification of deviations • Care of postnatal mother and baby • Perineal care • Lactation management • Breast feeding • Baby bath • Immunization • Teaching postnatal mother : <ul style="list-style-type: none"> - Mother craft - Post natal care & Exercises - Immunization
Newborn nursery	2	<ul style="list-style-type: none"> • Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> • Newborn assessment • Admission of neonates • Feeding of at risk neonates - Katori spoon, paladi tube feeding, total parenteral nutrition • Thermal management of neonates - kangaroo mother care, care of baby in incubator • Monitoring and care of neonates • Administering medications • Intravenous therapy • Assisting with diagnostic procedure • Assisting with exchange transfusion • Care of baby on ventilator, Photo- therapy • Infection control protocols in the nursery • Teaching & counselling of parents • Maintenance of neonatal records
Family Planning clinic	Rotation from post natal ward - 1 wk	<ul style="list-style-type: none"> • Counsel for and provide family welfare services 	<ul style="list-style-type: none"> • Counselling technique • Insertion of IUD • Teaching on use of family planning methods • Arrange for & Assist with family planning operations • Maintenance of records and reports

* Essential Requirements for registration as midwife –

S. N.	Assignments	Numbers
1.	Antenatal examination	30
2.	Conducting normal deliveries in hospital / home / health centre	20
3.	Vaginal examination	5
4.	Episiotomy and Suturing	5
5.	Neonatal resuscitation	5
6.	Assist with Caesarean Section	2
7.	Witness / Assist abnormal deliveries	5
8.	Postnatal cases nursed in hospital / home / health centre	20
9.	Insertion of IUD	5

Note - All casebooks must be certified by teacher on completion of essential requirements.

NURSING RESEARCH AND STATISTICS

Placement - Third Year

Time - Theory – 45 Hours

Practical - 45 Hours

Course Description-The course is designed to enable students to develop and 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
I	4	Describe the concept of research, terms, need and areas of research in Nursing Explain the steps of research process	Research and Research Process : <ul style="list-style-type: none"> • Introduction and need for nursing research • Definition of research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process – overview
II	3	Identify and state the research problem and objectives	Research problem / question : <ul style="list-style-type: none"> • Identification of problem area • Problem statement • Criteria of a good research problem • Writing objectives
III	3	Review the related literature	Review of Literature : Location <ul style="list-style-type: none"> • Sources • On-line search - CINHALL, COCHRANE etc • Purposes • Method of review
IV	4	Describe the research approaches and designs	Research approaches and designs : <ul style="list-style-type: none"> • Historical, survey and experimental • Qualitative and Quantitative designs
V	8	Explain the sampling process Describe the methods of data collection	Sampling and Data Collection : <ul style="list-style-type: none"> • Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques • Data - why, what, from, whom, when , where to collect

			<ul style="list-style-type: none"> • Data collection methods and instruments : <ul style="list-style-type: none"> ✓ Methods of data collection ✓ Questioning, interviewing ✓ Observations, record analysis and measurements ✓ Types of instruments ✓ Validity and reliability of the instrument ✓ Pilot study ✓ Data collection procedure
VI	4	Analyse, interpret and summarize the research data	Analysis of data : <ul style="list-style-type: none"> • Compilation, Tabulation, classification, summarization, presentation, interpretation of data
VII	15	<p>Explain the use of statistics, scales of measurement and graphical presentation of data</p> <p>Describe the measures of central tendency and variability and methods of correlation.</p>	Introduction to statistics : <ul style="list-style-type: none"> • Definition, use of statistics, scales of measurement • Frequency distribution and graphical presentation of India • Mean, Median, Mode, Standard deviation • Normal probability and tests of significance. • Co-efficient of correlation • Statistical packages and its application
VIII	4	Communicate and utilize the research findings	Communication and Utilization of Research : <ul style="list-style-type: none"> • Communication of Research findings <ul style="list-style-type: none"> ✓ Verbal report ✓ Writing research report ✓ Writing scientific article / paper • Critical review of published research • Utilization of research findings