

Medical-surgical Nursing (Adult including geriatrics)-II

Subject code: 1NR1010301	Subject Title: Medical-surgical Nursing (Adult including geriatrics)-II
Pre-requisite :	----- NA-----

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.

Teaching Scheme (Total Hours)				Evaluation Scheme (Marks)				
Lecture	Tutorial	Practical	Total Hours	Theory		Practical		Total
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
120	-	270	390	75	25	50	50	200

Course Content:

Unit	Time	Learning objective	Content	Teaching Learning activities	Assessment Method
I	15	Describe the etiologic, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear, Nose and Throat	Nursing management of patient with disorders of Ear, Nose and Throat - 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 and 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, pharyngitis,	- Lecture discussion - Explain using Charts, graphs - Models, films, slides - Demonstration - Practice session - Case discussions/Seminar - Health education - Supervised clinical practice - Drug book/presentation	- Essay type - Short answers - Objective type - Assessment of skills with check list - Assessment of patient management problem

			tonsillitis and adenoiditis, peritonsillar abscess, laryngitis - o 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 - Special therapies - Nursing procedures - Drugs used in treatment of disorders of Ear, Nose and Throat - Role of nurse communicating with hearing impaired and muteness.		
II	15	• Describe the etiology, pathophysiology, clinical manifestations - diagnostic measures and management of patients with disorders of eye	Nursing management of patient with disorders of eye • 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: ➤ Refractive errors ➤ Eyelids-infection, tumours and deformities ➤ Conjunctiva-inflammation and infection, bleeding ➤ Conjunctiva-inflammation and infection, bleeding ➤ Cornea-inflammation and infection ➤ Lens-Cataracts ➤ Glaucoma ➤ Disorder of the uveal tract, ➤ Ocular tumours ➤ Disorders of posterior chamber and retina: Retinal and vitreous problems ➤ Retinal detachment	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation • Visit of eye bank • Participate in eye camps	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
III	16	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing	Nursing management of patient with neurological disorders • Review of anatomy and physiology of the neurological system • Nursing Assessment-History and Physical and neurological assessment	• Lecture discussion • Explain using Charts, graphs • Models, films, slides	• Essay type • Short answers • Objective type • Assessment of skills with check

		management of patients with neurological disorders	and Glasgow coma scale • Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders • Congenital malformations • Headache • Head Injuries • Spinal injuries: • Paraplegia • Hemiplegic • Quadriplegia • Spinal cord compression-herniation of intervertebral disc • Tumours of the brain & spinal cord • Intracranial and cerebral aneurysms • Infections: • Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders ➤ Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders ➤ Chorea ➤ Seizures ➤ Epilepsies • CerebroVascular Accidents (CVA) • Cranial, Spinal Neuropathies-Bell's palsy, trigeminal neuralgia • Peripheral Neuropathies; Gillian Barr's Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases ➤ Delirium o Dementia ➤ Alzheimer's disease ➤ Parkinson's disease • Management of unconscious patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit	• Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/presentation • Visit to rehabilitation centre	list • Assessment of patient management problem
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			• Rehabilitation of patients with neurological deficit ➤ Role of nurse in long stay facility (institutions) and at home ➤ Special therapies ➤ Nursing procedures ➤ Drugs used in treatment of neurological disorders		
IV	16	Describe the etiology, pathophysiology, clinical manifestations, diagnosis measures and nursing management of patients with disorders of female reproductive system • Describe concepts of reproductive health and family welfare programme	Nursing management of patients with disorders of female reproductive system • 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 and Reproductive Health • Sexual Health Assessment • Menstrual Disorders; Dysmenorrhoea, Amenorrhoea, Premenstrual Syndrome • Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia • Pelvic Inflammatory Disease • Ovarian and fallopian tube disorders; infections, cysts, tumours • Uterine and cervical disorders; Endometriosis, polyp, Fibroids, Cervical and uterine tumours uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts, Deformities,	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception; Types Methods, Risk and effectiveness o Spacing Method - Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, etc o Terminal methods – Sterilization • Emergency contraception methods • Abortion-Natural, Medical and surgical abortion-MTP Act • Toxic Shock Syndrome • Injuries and Trauma; Sexual violence • Special therapies • Nursing procedures Drugs used in treatment of gynaecological disorders • National family welfare programme		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery	Nursing management of patients with Burns, reconstructive and cosmetic surgery • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss • Etiology, classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Reconstructive and Cosmetic surgery: • Types of Re-constructive and Cosmetic surgery: for burns, congenital deformities, injuries and cosmetic purposes • Role of Nurse • Legal aspects • Rehabilitation • Special therapies	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions /Seminar • Health education • Supervised clinical practice • Drug book/presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			• Psychosocial aspects Nursing procedures • Drugs used in treatment of Burns, reconstructive and cosmetic surgery		
VI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	Nursing management of patients with oncological conditions. • 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 and Colon, Liver, Leukaemia's and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc • Oncological emergencies • Modalities of treatment ➤ Immunotherapy ➤ Chemotherapy ➤ Radiotherapy - Surgical Interventions o Stem cell and Bone marrow transplants ➤ Gene therapy ➤ Other forms of treatment • Psychosocial aspects of cancer, • Rehabilitation • Palliative care; Symptom and Pain Management, Nutritional support • Home care • Hospice care • Stomal therapy • Special therapies o Psycho social aspects	Lecture discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			• Nursing procedures		
VII	10	• Describe organization of emergency and disaster care services • Describe the role of nurse in disaster management • Describe the role of nurse in management of common Emergencies	Nursing management of patient in EMERGENCY & DIASTER situations Disaster Nursing: • Concepts and principles of Disaster Nursing • Causes and Types of Disaster: Natural and Man-made ➤ Earthquakes. Floods, Epimdemics, 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 • Coordination and involvement of; Community, various govt. departments, nongovt, organizations and International agencies • Role of nurse-working • Legal Aspects of Disaster Nursing • Impact on Health and after effects; Post Traumatic Stress Disorder • Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing • Concept, priorities, principles and scope of emergency nursing Organization of emergency services; physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse • Coordination and involvement of different departments and facilities • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Disaster management Drills • Lecture discussion • Explain using Charts, graphs • Models films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Disaster management Drills • Drug book/presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patients management problem • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			medical and surgical Emergency • Principles of emergency management • Common Emergencies; • Respiratory Emergencies • Cardiac Emergencies • Shock and 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 and Inter Personal Relations • Medico-Legal Aspects;		
VIII	10	• Explain the concept and problems of aging • Describe nursing care of the elderly	Nursing care of the elderly • Nursing Assessment-History and Physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of Aging • Medications and elderly	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			• Stress & coping in older adults • Common Health Problems & Nursing Management; • Cardiovascular, Respiratory, Musculoskeletal, • Endocrine, genitor-urinary, gastrointestinal • Neurological, skins and other sensory organs o Psychosocial and Sexual o Abuse of elderly • Role of nurse for care of elderly; ambulation, nutritional, communicational,, psychosocial and spiritual • Role of nurse for caregivers of elderly • Role of family and formal and non formal caregivers • Use of aids and prosthesis (hearing aids, dentures, • Legal & Ethical, Issues • Provisions and Programmes for elderly; privileges, Community Programs and health services; • Home and institutional care	book/presentation Visit to old age home	
IX	10	• Describe organization on of critical care units • Describe the role of nurse in management of patients critical care units	Nursing management of patient in critical care units • Nursing Assessment-History and Physical assessment • Classification • Principles of critical care nursing • Organization, Physical setup, Plicies, staffing norms • Protocols, equipment and supplies • Special equipments; ventilators, cardiac monitors, defibrillators • Resuscitation equipments • Infection Control Protocols • Nursing management of critically ill patient;	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Role plays • Counselling • Practice session • Case discussions/Seminar	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			• Monitoring of critically ill patient • CPR-Advance Cardiac Life support • Treatments and procedures • Transitional care • Ethical and Legal		
X	8	• Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	Nursing management of patients adults including elderly with Occupational and Industrial disorders • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, 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 and Industrial disorders.	Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Medical Surgical Nursing (Adult and Geriatrics) – II Practical

Area	Duration (in Week)	Objectives	Skills to be developed	Assignments	Assessment methods
ENT	1	• Provide care to patients with Eye disorders • Counsel and educate patient and families	• 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 and families	• Provide care to 2- 3 assigned patients • Nursing care plan • Observation reports of OPD & Eye bank • Maintain drug book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD/Eye bank • Completion of activity record
Ophthalmology	1	• Provide care to patients with Eye disorders • Counsel and educate patient and families.	• 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 and families.	• Provide care to 2- 3 assigned patients • Nursing care plan – 1 • Observation report of OPD & Eye bank • Maintain drug boo	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD/Eye bank • Completion of activity record
Neurology	2	• Provide care to patients with Eye disorders • Counsel and educate patient and families	• 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.	• Provide care to 2- 3 assigned patients • Nursing care plan • Observation reports of OPD & Eye bank • Maintain drug book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD/Eye bank • Completion of activity



			• Teach patients and families		record
Gynecology ward	1	• Provide care to patients with gynecological disorders • Counsel and educate patient and families	• Assist with gynaecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients families • Teaching self Breast Examination • Assist with PAP smear collection	• Provide care to 2-3 assigned patients • Nursing care plan-I • Maintain drug book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan • Completion of activity record
Burns Unit	1	• Provide care to patients with Burns • Counsel and educate patient and families	• Assessment of the burns patient ➤ Percentage of burns o Degree of burns • Fluid & electrolyte replacement therapy ➤ Assess ➤ Calculate ➤ Replace ➤ Record intake/output ➤ Care of Burn wounds o Bathing ➤ Dressing • Perform active and passive exercises • Practice medical & surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program	• Provide care to 1-2 assigned patients • Nursing care plan-I • Observation report of B urns unit	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan an observation report • Completion of activity record
Oncology Unit	1	• Provide care to patients with cancer • Counsel and educate patient and families	• Screen for common cancers- TNM classification • Assist with diagnostic procedures ➤ Biopsies ➤ Pap smear ➤ Bone-marrow aspiration	• Provide care to 2- 3 assigned patients • Nursing care plan-I • Observation report of cancer unit	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan and



			• Breast examination • Assist with therapeutic procedures • Participates in various modalities of treatment ➤ Chemotherapy ➤ Radiotherapy ➤ Pain management ➤ Stomatherapy ➤ Hormonal therapy ➤ Immune therapy ➤ Gene therapy ➤ Alternative therapy • Participate in palliative care • Counsel and teach patients families ➤ Self Breast Examination ➤ Warning signs • Participate in rehabilitation program		observation report • Completion of activity record
Critical care unit	2	Provide care to critically ill patients • Counsel patient and families for grief and bereavement	• Monitoring of patients in ICU • Maintain flow sheet • Care of patient on ventilators • Perform Edotracheal suction • Demonstrates use of ventilators, cardiac monitors etc. • Collect specimens and interprets ABG analysis • Assist with arterial puncture • Maintain CVP line • Pulse oximetry • CPR-ALS • Defibrillators • Pace makers • Bag-mask ventilation • Emergency tray/trolley-Crash Cart • Administration of drugs o	• Provide care to I assigned patient • Observation report of critical care unit • Drugs book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report • Completion of activity record

			Infusion pump ➤ Epidural ➤ Intrathecal ➤ Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family dealing with grieving and bereavement		
Casualty/ Emergency	1	• Provide care to patients in emergency and disaster situation • Counsel patient and families for grief and bereavement	• Practice “triage” • Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations • Assist in documentations • Assist in legal procedures in emergency unit • Participate in managing crowd • Counsel patient and families in grief and bereavement	Observation on report of Emergency unit	• Assess performance with rating scale • Evaluation of observation report • Completion of activity record

Placement: Internship

Area	Duration (in Week)	Objectives	Skills to be developed	Assignments
Medical ward Surgical ward Critical care unit/ICCU Casualty/Emergency Operation Theatre (Eye, ENT, Neuro)	2 2 1 2 2	Provide comprehensive care to patients with medical and surgical conditions including emergencies Assist with common operations	Integrated Practice	Assess Clinical Performance with rating scale