'Subject No. 1

MEDICAL AND SURGICAL NURSING – II (Adult Including Geriatric)

Total Hours: 390 Theory Hours: 120 Clinical Hours: 270

AIM:

• The course is designed to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

OBJECTIVES:

At the end of course the students are able to:

- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patient with disorders of Ear, Nose and throat.
- Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures and management of patients with disorders of Eye.
- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patient with neurological disorders.
- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patient with female reproductive system.
- Describe the concept of reproductive health and family welfare programme.
- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patient with burns, reconstructive and cosmetic surgeries.
- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patient with oncology disorders.
- 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.
- Explain concepts and problems of aging.
- Describe nursing care of the elderly.
- Describe organization of critical care units.
- Describe the role of nurse in management of patient in critical care units.
- Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patient with occupational and industrial health disorders.

COURSE CONTENTS:

Unit I - Nursing management of patient with disorders of Ear, Nose and Throat:

- Review of anatomy and physiology of ear, nose and throat. Nursing assessment History and physical assessment. Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Ear, Nose and Throat disorders.
- Ear: External Ear: Deformities, otalgia, foreign bodies and traumas. Middle Ear: Impacted wax, Tympanic membrane perforation, otitis media, osteosclerosis, mastoiditis, tumors. Internal Ear:

Manier's disease, labyrinthitis, ototoxicity, tumors. Upper Respiratory infections: Common cold, sinusitis, ethnicities, rhinitis, pharyngitis, tonsillitis and adenitis, peritonscilar abscess, laryngitis. Deafness: Prevention, control and rehabilitation. Hearing aids implanted hearing devices. Special therapies. Nurses role in communicating with hearing impaired and muteness.

Upper Respiratory Airway: Epistaxis. Nasal obstruction, laryngeal obstruction, cancer of the larynx. Cancer of the oral cavity. Speech defects and speech therapy. Nursing procedures, drugs used in treatment of disorders of Ear, Nose and Throat. Review of physical examination &Voice disorders

Unit II - Nursing management of patient with disorders of Eye:

- Review of anatomy and physiology of Eye. Nursing assessment, history and physical assessment.
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities, medical and surgical nursing management of disorders of eye. Refractive errors. Eyelids: Infections, tumors and deformities. Conjunctiva: Inflammation and infection, bleeding. Cornea: Inflammation and infection. Lens: Cataracts, Glaucoma. Disorders of Uveal tract. Ocular tumors. Disorders of posterior chamber and retina: Retinal and Vitreous problems. Retinal detachment. Ocular emergencies and their prevention. Blindness, National blindness control programme. Eye Banking. Eye prostheses and rehabilitation. Role of Nurse: Communication with visually impaired patient, Eye Camps. Special therapies and nursing procedures. Drugs used in treatment of disorders of Eye.

Unit III - Nursing management of patient with Neurological Disorders:

- Review of anatomy and physiology of the nervous system. Nursing assessment, history and physical & neurological assessment, Glasgow Coma Scale.
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities, medical and surgical nursing management of neurological disorders. Congenital malformations. Headache, Head Injury. Spinal Injuries: Paraplegia, Hemiplegic, Quadriplegia, Spinal Cord Compression, Herniation of inter vertebral disc. Tumors of the brain and spinal cord. Intracranial and cerebral aneurysms. Infections: Meningitis, Encephalitis, Brain abscess, neuro cysticercosis. Movement Disorders: Chorea, Seizures, Epilepsies. Cerebral Vascular Accidents (CVA). Cranial / Spinal Neuropathies: Bells palsy trigeminal neuralgia. Peripheral Neuropathies, Gillian Barrie Syndrome. Myasthenia Gravis. Multiple Sclerosis. Degenerative diseases: Delirium, Dementia, Alzheimer's disease, Parkinson's disease. Management of unconscious patient and patient with stroke. Role of nurse in communicating with patients having neurological deficit. Rehabilitation of patient with neurological deficit. Role of nurse in long stay facility (institution) and at home. Special therapies, nursing procedures. Drugs used in treatment of neurological disorders.

Unit IV - Nursing Management of Patient with Disorders of Female Reproductive Disorders:

- Review of anatomy and physiology of female reproductive system. Nursing assessment, history and physical assessment. Breast Self Examination.
- Etiology, pathophysiology, Clinical manifestation, Diagnosis and Treatment modalities and Medical and Surgical Nursing management of disorders of female reproductive system. Congenital abnormalities of female reproductive system. Sexuality and Reproductive Health. Sexual Health Assessment. Menstrual Disorders: Dysmenorrhea, Amenorrhea, Premenstrual

Syndrome. Abnormal Uterine Bleeding, Menorrhagia, Metrorrhagia. Pelvic Inflammatory Diseases. Ovarian and Fallopian Tube Disorders: Infections, Cysts and Tumors. Uterine and Cervical Disorders: Endometriosis, Polyps, Fibroids, Cervical and Uterine Tumors, Uterine Displacement. Vaginal Disorders: Infections and Discharges, Fistulas. Vulvur Disorders: Infections, Cysts and Tumors. Diseases of Breasts: Deformities, Infections, Cysts and Tumors. Menopause and Hormonal Replacement Therapy. Infertility. Contraception: Types, Methods, Risks and Effectiveness. Spacing Method: Barrier Method, Intrauterine Devices, Hormonal, Post Conceptual Methods, etc. Terminal Methods: Sterilization. Emergency Contraception Methods. Abortion: Natural, Medical and Surgical Abortion, MTP Act.Toxic Shock Syndrome. Injuries and Trauma, Sexual Violence. Special therapies and Nursing procedures. Drugs used in treatment of Gynecological Disorders. National Family Welfare Programme. Cystocele / Urethrocele / Rectocele

Unit V - Nursing Management of Patients with Burns, Reconstructive and Cosmetic Surgery:

- Review of Anatomy and physiology of Skin, Connective Tissues and Various Deformities. Nursing Assessment, History and Physical Assessment. Assessment of Fluid and Electrolyte loss.
- Etiology, Classification, Pathophysiology, Clinical Manifestations, Diagnosis, Treatment Modalities and medical & surgical Nursing management of patient with Burns, Reconstructive and Cosmetic surgery. Types of Reconstructive and Cosmetic Surgery for Burns, Congenital Deformities, Injuries and Cosmetic purposes. Role of Nurse. Rehabilitation. Special Therapies. Psychosocial aspects. Nursing Procedures. Drugs used in treatment of Burns, Reconstructive and Cosmetic Surgeries.

Unit VI - Nursing management of Patients with Oncological Conditions:

- Structure & characteristics of normal cancer cells. Nursing Assessment, history and physical assessment. Prevention, Screening, Early diagnosis, 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 system, oral, larynx, lung, stomach and colon, liver, Leukemia and 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. Psychological and Psycho social aspects of cancer. Rehabilitation. Palliative Care: Symptoms and pain management, Nutritional support, Home care, Hospice Care, Stoma therapy, Special therapies. Nursing procedures.

Unit VII - Nursing Management Patient in Emergency and Disaster Situations:

Disaster Nursing: Concepts and Principles of Disaster nursing. Causes and types of Disaster -man made & natural. Natural – Earthquakes, Floods, Epidemics, Cyclones. Manmade- Fire, Explosion, Accidents, violence, Terrorism, Biochemical Terrorism, War. Policies related to emergencies/disaster management: International, National, State, district and Institutional. Disaster Preparedness: Team, Guidelines, Protocols, Equipments, Resources. Coordination and Involvement of: Community, Various Govt. Agencies, Non Govt. and International agencies. Role of Nurse. Legal Aspects of disaster nursing. Impact on health and after effects, post traumatic stress disorders. Rehabilitation: Physical, psychological, financial and Relocation. Emergency

- Nursing: Concepts, priorities, principles and steps of emergency nursing. Organization of emergency services: Physical setup, staffing, equipments and supplies, Protocols. Concept 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 and surgical nursing management of patient with medical and surgical emergency and Principles of emergency management: Common emergencies, Respiratory emergencies, Cardiac emergencies, Shock and hemorrhage, Pain. Poly trauma, road side accidents, crushes injuries, wounds, Bites and stings, Poisoning: Food, Chemical, Gas, Drugs, and Seizures. Thermal emergencies: Heat Stroke and cold injuries. Pediatric emergencies, Psychiatric emergencies, Obstetric emergencies, Violence, Abuse, Sexual assault. Cardiopulmonary Resuscitation. Crisis intervention. Role of nurse: Communication and interpersonal relations. Medico legal aspects.

Unit VIII - Nursing Care of the Elderly:

• Nursing Assessment – history taking and physical assessment. Aging: Demography: Myths and realities, Concepts and theories of aging. Cognitive aspects of aging, Normal biological aging. Age related body system changes, Psychological aspect of aging. Medication and aging, Stress and coping in older adults. Common health problems and nursing management of Cardiovascular, Respiratory, musculoskeletal, Endocrine, Genito urinary, Gastro intestinal, Neurological, skin and other sensory organs, psycho social and sexual, abuse in elderly. Role of nurse for care of elderly: ambulation, nutritional, communicational, psychological and spiritual. Role of nurse for caregivers of elderly. Role of family, formal and non formal agencies or care givers. Use of aids and prosthesis. (Hearing aids, dentures.) Legal and ethical issues. Provisions and programmes for elderly, privileges, community programmes and health services. Home and institutional care.

Unit IX - Nursing Management of Patient in Critical Care Unit:

Nursing Assessment- history and physical assessment. Classification. Organization: Physical setup, policies, staffing norms. Protocols, equipment and supplies. Special equipments, ventilators, cardiac monitors, defibrillators. Resuscitation equipments. Infection control protocols. Nursing management of critically ill patients. Monitoring critically ill patients. CPR- Advance Cardiac Life Support. Treatment and procedures. Transitional care. Ethical and legal aspects. Communication with patient and family. Intensive care records. Crisis intervention. Death and dying: Coping with. Drugs used in critical care unit.

Unit X - Nursing Management of Patients Adult Including Elderly with Occupational and Industrial Disorders:

- Nursing Assessment History and physical assessment.
- Etiology, pathophysiology, clinical manifestations, diagnosis and treatment modalities and medical and nursing management of occupational and industrial disorders. Role of nurse. Special therapies, alternative therapies, nursing procedures. Drugs used in treatment of occupational and industrial disorders.
- Care of Older adult with HIV

MEDICAL AND SURGICAL NURSING – II (ADULT INCLUDING GERIATRIC NURSING)

Unit No				Cont	ents			
Unit No. & Hours	Objectives		Must Know	60%		ole to Know 30%		to Know 10%
I (15 Hrs)	At the end o unit students are able to: Knowledge: Describe the etiology, pathopyhsiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear, Nose and throat. Skill: Identify the clients with diseases of ear, nose and throat and render need based care to them. Attitude: Takes initiative to prevent complications and disabilities related to diseases of ear, nose and throat.	 Review of and throat. physical as Etiology, p manifestati and medica Ear, Nose a Ear: Extendodies and Tympanic postoscleros Mainer's detumors. Upper Ressinusitis, et and adeniti Upper Ressobstruction larynx. Car Nursing pronurses rol 	 Ear, Nose and Throat: Review of anatomy and physiology of ear, nose and throat. Nursing assessment – History and physical assessment. Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Ear, Nose and Throat disorders. Ear: External Ear: Deformities, otalgia, foreign bodies and traumas. Middle Ear: Impacted wax, Tympanic membrane perforation, otitis media, ostosclerosis, mastoiditis, tumors. Internal Ear: Mainer's disease, labryrinthitis, ototoxicity, 					pies. ch defects peech py.
	Course outcome	Program outcome				_		
		Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher	
	P	PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1: Enlist the etiological factors of ear, nose, throat disorders					3	3	3

	CO2: Illustrate the clinical manifestation of ear, nose and throat disorder	3	3	3	3	3	3		3
	CO3: List down the diagnosis evaluation of ear, nose and throat disorde	3	3	3	3	3	3		3
	CO4: Define otalgia. Formulate the two nursing careplan on otalgia.	3	3	3	3	3	3		3
	CO5: Define otitis media, classify the type of otitis media, explain the pathophysiology, formulate the two nursing careplan on otitis media.	3	3	3	3	3	3		3
	CO6: Define ostosclerosis, identify the sign and symptoms of ostosclerosis, and describe the collaborative management of ostosclerosis.	3	3	3	3	3	3		3
	CO7: Define ototoxicity, identify the sign and symptoms of ototoxicity, and describe the collaborative management of ototoxicity.	3	3	3	3	3	3		3
II (15 Hrs)	At the end o unit students are able to: Knowledge: Describe the etiology, pathopyhsiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye. Skill: Identify the eye disorders among clients and take appropriate measures to treat them promptly. Attitude: Participate in the programmes for prevention of blindness and educate people about care of eye.	 Review o Nursing a Etiology, diagnosis nursing m Refractive deformitie infection, Cornea: In Glaucoma Disorders Disorders and Vitree Ocular en Special th (9 hours) 	nflammation and a. of Uveal tract. Of of posterior charous problems. Renergencies and the nerapies and nursi	ysiology of Eyy and physical clinical manifities, medical acorders of eye. Infections, tun Inflammation acorders tumors. The cular tumors and retinal detachments of the cular tumors.	assessment. estations, and surgical mors and and s: Cataracts. : Retinal nt.	 Blindner National blindness control program Eye Banking Eye prosthes and rehabilitin. Drugs u in treatn of disord of Eye. (5 hours 	ses satio	Commwith v	of Nurse: nunication isually red patient, amps.
	Course outcome	Program outcom							
		Clinician/Nurs e educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Re	esearcher

		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1: Enlist the etiological factors of eye disorders	3	3	2	3	3	3	2
	CO2: Illustrate the clinical manifestation of eye disorders	3	3	2	3	3	3	2
	CO3: List down the diagnosis evaluation of eye disorders	3	3	2	3	3	3	2
	CO4: Define cataract, classify the type of cataract, explain the pathophysiology, formulate the two nursing care plan on cataract.		3	2	3	3	3	2
	CO5: Define Glaucoma. Identify the sign and symptoms of Glaucoma. Describe the collaborative management of Glaucoma	3	3	2	3	3	3	2
	CO6: Define Conjunctivitis, identify the sign and symptoms of Conjunctivitis, Describe the collaborative management of Conjunctivitis		3	2	3	3	3	2
	CO7: Define refractive errors, classify the type of refractive errors, explain the pathophysiology, formulate the two nursing care plan on refractive errors.	3	3	2	3	3	3	2
III (16 Hrs)	At the end o unit students are able to: Knowledge: Explain the etiology, pathopyhsiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders. Skill: Recognize clients with neurological disorders and render prompt comprehensive care to clients in all clinical settings and rehabilitation homes. Attitude: Participate in health awareness campaigns e.g. road safety to prevent accidents and head injury and spinal cord injuries, etc.	Disorders: Review of system. In neurolog Etiology, diagnosis nursing recongenit Head Injuguadriple Comprese Tumors of Infection neurocys Moveme Cerebro	of anatomy and pholoring assessment of anatomy and pholoring assessment, Control and pholoring assessment of the principle of the brain and space of the brain a	nysiology of the ont, history and plasgow Coma, clinical manifulities, medical aurological disordinal cord. Paraplegia, Pof intervertebra of intervertebra ordinal cord. Cephalitis, Braits (CVA).	e nervous physical & Scale festations, and surgical orders. Hemiplegic, I disc. n abscess, Epilepsies.	 Special therapie nursing procedu Drugs u in treatn of neurolog I disorde Role of nurse in long sta facility (institut and at home. Rehabil on of patient v 	res. sed nent per Alz disconstitution)	acranial and bbral urysms. generative eases: irium, mentia, heimer's ease, (1 Hr)

	Syndror Parkinso • Manage stroke. • Role of	ne. Myasthe on's disease. ment of unconurse in comgical deficit.	nia Gravis. M onscious patie	s, Gillian Barrie ultiple Sclerosi nt and patient v rith patients hav	s. 1 defice (2 Hr		
	Program of Clinician/Nurse educator		Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Define and describe brain abscess its causes, pathophysiology, clinical manifestation and management		3	2	3	3	3	2
CO2: Define and describe brain tumor, its classification, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO3: Define and describe Cerebro Vascular Accidents, its causes, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO4: Define and describe Gillian Barrie Syndrome, its causes, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO5: Define and describe Encephalitis, its causes, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO6: Define and describe HeadInjury, its causes, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO7: Define and describe neurological assessment.	3	3	2	3	3	3	2

IV 16 hours	At the end o unit students are able to: Knowledge: Describe the etiology, pathopyhsiology, clinical manifestations, diagnostic measures and nursing management of patients with disorders of female reproductive system. Describe concepts of reproductive health and welfare programme. Skill: Identify the clinical manifestations of reproductive system disorders in women and render comprehensive care effectively. Attitude: Participate in family welfare programme and create awareness about reproductive health, small family norms, etc.	Female Rev repr and Exa Etio man syst Con syst Am Abn Met Ova Cys Disc Cer Disp Vag Fist Tun Infe Gyn Cys	Reproductive sy physical as mination. logy, patho ifestation, lalities and agement of em. Menstrenorrhea, Paormal Uter rorrhagia. Farian and Fats and Tumorders: Endivical and Uplacement. Final Disordulas. Vulvunors. Disease ctions, Cysnopause and rtility. Drugecological	nent of Patie tive Disorde omy and phy stem. Nursin sessment. Brophysiology, Obiagnosis and Medical and Edisorders of ormalities of ual Disorders remenstrual Sine Bleeding, Pelvic Inflamillopian Tube ors. Uterine a ometriosis, Peterine Tumor Disorders: Infection r Disorders.	rs: rsiology of fer g assessment east Self Clinical d Treatment Surgical Nur female repro s: Dysmenorr Syndrome. , Menorrhagi matory Disea Disorders: In and Cervical olyps, Fibroir s, Uterine as and Discha Infections, Cys. Replacement atment of	male t, history sing oductive ductive thea, a, uses. afections, ds, urges, ysts and s,	 Sexuality and Reproductive Health. Sexual Health Assessment. Abortion: Natural, Medical and Surgical Abortion, MTP Act, Toxic Shock Syndrome. Injures and Trauma, Sexual Violence, Special therapies and Nursing procedures. National Family Welfare Programme (5 hours) 	 Contraception: Types, Methods, Risks and Effectiveness. Spacing Method: Barrier Method, Intrauterine Devices, Hormonal, Post Conceptual Methods, etc. Terminal Methods: Sterilization Emergency Contraception Methods. (2 hr)
	Course outcome	Clinicia n/Nurse educator Professional communicato r Communicato r Leader and member of the health care team and learner					Critical thinker	Researcher
	CO1: Define and describe abortion, its	PO1 PO2 PO3 PO4 PO5 s 3 3 2 3 3					PO6	PO7
	causes, types, clinical manifestation and manage	$\begin{bmatrix} 3 \\ 1 \end{bmatrix}$ $\begin{bmatrix} 3 \\ 2 \end{bmatrix}$ $\begin{bmatrix} 3 \\ 3 \end{bmatrix}$					3	<u> </u>

	CO2: Define and describe amenorrhea, its types, causes, clinical manifestation and management		2		3	3	3	2	2
	CO3: Define and describe breast cancer, its causes, pathophysiology, clinical manifestation and management		2		3	3	3	2	2
	CO4: Define and describe cervical fibromyomas, its causes, diagnostic evaluation, clinical manifestation and		2		3	3	3	2	2
	management CO5: Define and describe Endometrial Cancer, its causes, diagnostic evaluation, clinical manifestation and management		2		3	3	3	2	2
	CO6: Define and describe infertility, its causes, types, clinical manifestation and management	3 3	2		3	3	3	2	2
	CO7: Define and describe menopause.	3 3	2		3 3	3	3	2	2
V 10 Hrs	At the end o unit students are able to: Knowledge: Describe the pathopyhsiology, clinical manifestations, diagnostic measures and nursing management of patients with burns, reconstructive and cosmetic surgery. Skill: Calculate the degree of burns and render aseptic nursing care to the clients in acute phase and restorative care in recovery phase. Attitude: prevent contractures and other disabilities in clients with burns.	Reconstruction Reviet Conne Nursin Assess loss. Etiolo Clinic Modal manag Recon Types for Bu Cosmo (6 hou	wotive and wof Anator ective Tissure assessment. Assessment. Assessment al Manifest lities and metal modern of Reconstructive and from the constructive areas as a consequence of Reconstructive areas. Congestructive areas as a consequence of Reconstructive areas and a consequence of Reconstructive areas as a consequence of Reconstructive and a consequence of Reconst	Cosmetic S my and phy es and Vari ent, History essment of I cation, Patl ations, Diag edical & su atient with ad Cosmetic ructive and nital Defor	rsiology of Sk lous Deformit y and Physica Fluid and Elec nophysiology, gnosis, Treatn irgical Nursin Burns,	ctrolyte ctrolyte ctrolyte g (3	Rehab Specia Therap Drugs	pies. s used in nent of	 Psychosocial aspects. Reconstructive and Cosmetic Surgeries. (1 hr)
	Course outcome	Program ou Clinician/N urse educator	Professional	Communicator	a Leader and member of the health care tea and system		learner	Critical thinke	er Researcher
		PO1	PO2	PO3	PO4	PO5	-	PO6	PO7

	CO1: Define and describe burn, its causes, types, clinical manifestation and management	3	3	2	3	3	3	2
	CO2: Define and describe amenorrhea, its types, causes, clinical manifestation and management		3	2	3	3	3	2
	CO3: Define and describe Reconstructive and Cosmetic surgery	3	3	2	3	3	3	2
	CO4: Define and describe Drugs used in treatment of Burns	3	3	2	3	3	3	2
	CO5: Describe Role of Nurse in care of burn patients	3	3	2	3	3	3	2
	CO6: Describe psychosocial aspects burn patients.	3	3	2	3	3	3	2
	CO7: Describe Assessment of Fluid and Electrolyte loss.	3	3	2	3	3	3	2
VI 10 Hrs	At the end o unit students are able to: Knowledge: Describe the etiology, patho pyhsiology, clinical manifestations, diagnostic measures and nursing management of patients with cancer. Skill: Indentify and intervene cancer in early stages and provide comprehensive care to the clients suffering from cancer. Attitude: Create awareness about early detection and treatment of various cancers among masses. Educate people about healthy habits and life styles.	Condition Struct Nursin assess diagno Epide Patho manif and m Oncol Comm oral, 1 Leuke Uteru etc. Moda Chem Interv transp treatm Pallia Nutrit	ns: Ture & character and Assessment. Prevence sement. Grant and logical condition on malignary arynx, lung, remia and lyms, Sarcoma, Ilities of treat and therapy, Rate to the sement. Sement. Genement. (4hrs) tive Care: Systemal support aspects.	cteristics of ent, history ntion, Scre g signs of c ology, clas Staging, Cl agnosis, Tr gical nursi tions. ncies of va stomach an aphomas, E Brain, Rena ement: Immadiotherapy n cell and therapy, of	ancer sification, inical eatment modaling management rious body system of colon, liver, breast, Cervix, Cal, Bladder, Pro	Psyc aspectance Rehates Stom Spectherates of Oncomer ements Ovary, state, Psyc aspectance Rehates of Concomer therates of Concomer th	hological cts of er. abilitation. a therapy. ial apies. blogical gencies.	 Home care Hospice Care. (2 hrs)

Course outcome	Program outcom	me					
	Clinician/Nurs e educator	Professional		Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Define and describe cancer of larynx, its causes, types, clinical manifestation and management	3	3	2	3	3	3	2
CO2: Define and describe stomach cancer its types, causes, clinical manifestation and management	3	3	2	3	3	3	2
CO3: Define and describe breast cancer, its causes, pathophysiology, clinical manifestation and management	3	3	2	3	3	3	2
CO4: Define and describe chemotherapy, enlist drug use in chemotherapy, explain the action of various drug	3	3	2	3	3	3	2
CO5: Define and describe Endometrial Cancer, its causes, diagnostic evaluation, clinical manifestation and management		3	2	3	3	3	2
CO6: Define and describe palliative care, its clinical manifestation and management	3	3	2	3	3	3	2
CO7: Define and describe psychosocial aspects.	3	3	2	3	3	3	2

VII (10 Hrs)	At the end o unit students are able to: Knowledge: Describe organization of emergency and disaster care services. Understand the role of nurse in disaster management. Explain the role of nurse in managing common emergencies. Skill: Develop competence in disaster management and caring for client during emergency situations. Attitude: Learn to identify disaster potentials and take preventive measures as far as possible.	Disaster Situal Disaster Disaster Disaster Disaster Man man Floods, Explosion Biochem Prepared Equipme Aspects of Impact of Stress dispriorities nursing. Concept Coordinate department Nursing assessment Etiology, manifester medical apatient work Principle emergency traumas, wounds. Chemical emergency Pediatric Obstetric assault. Contervent interperson (6 hrs)	Nursing: Nursing: Nursing: Nursing: Nursing: Ode & nat Epidemics n, Accid ical Ter ness: Te nts, Resou of disaster in n health an orders. Em n principles of triage ation and ents and fact assessment. Pathophys ations, diag and surgica ith medica s of emergical icies. Respincies. Respincies. Respincies. Respincies. Shock road-side a Bites and s l, Gas, Dru cies: Heat S emergencie emergencie cardiopulm ion. Role o conal relatio	Concepts and tyural. Natural, Cyclones. lents, violents, violents, warm, Guidel crees. Role of the concept of t	ar. Disaster ines, Protocols, of Nurse. Legal post traumatic ing: Concepts, emergency of triage nurse. It of different and Physical ent modalities and agement of emergency. It common incies. Cardiac age. Pain. Polysh injuries, ng: Food, Thermal dinjuries. Cemergencies. Abuse, Sexual itation Crisis nunication and	saster manage Internat Nationa district Institut Coordin and Involve of: Commu Various Agenci Govt. a Internat agencie Organiz of emer services	ement: tional, al, State, and ional. nation ement unity, s Govt. es, Non nd tional es zation rgency s: ul setup, s, ents oplies,	Rehabilitation: hysical, sychological, nancial and elocation. I Hr)
	Course outcome	Program of Clinician/Nurs		Communicator	Leader and member	Lifelong	Critical thinker	Researcher
		e educator	1		of the health care team and system	learner	Citicul dimikel	Treseure in er
		PO1	PO2	PO3	PO4	PO5	PO6	PO7

	CO1: Define and describe disaster, its types, phases and disaster management cycle.	3	3	2	3	3	3	2
	CO2: Define and describe bites and stings, its common bites and sings, clinical manifestation and management	3	3	2	3	3	3	2
	CO3: Define and describe traige and its emergency management, role of nurse	3		2	3	3	3	2
	CO4: Define and describe Respiratory emergencies, and role of nurse in Respiratory emergencies.	3		2	3	3	3	2
	CO5: Define and describe Cardiac emergencies, its and role of nurse in Cardiac emergencies			2	3	3	3	2
	CO6: Define and describe BLS	3		2	3	3	3	2
	CO7: Define and Physical setup, staffing, equipments and supplies, Protocols of disaster	3		2	3	3	3	2
VIII (10 Hrs)	At the end o unit students are able to: Knowledge: Explain the concept and problems of aging. Skill: Identify the problems of elderly and intervene promptly to prevent deterioration and discomfort. Attitude: Volunteer to serve the elderly.	assessmer Normal by changes. Medicatio • Stress and problems Cardiovas Endocrine Neurologi psycho so • Role of nu nutritiona spiritual. • Role of nu (5 hrs)	Assessment. Aging. Int. Aging. It. Aging. It	t – history ta Cognitive ; ging. Age re ogical asp ig. older adults. g manageme piratory, mus rinary, Gastrand other sen exual, abuse i re of elderly:	Common health nt of sculoskeletal, co intestinal, sory organs, n elderly. ambulation, ychological and	realitiesConceptheories aging.Use of prosthe	and so the stand so of s	Role of family, formal and non formal agencies or care givers Home and institutional care. (1 hr)
	Course outcome	Program outo		1 0	, T 1 1	1:01	'a' 1 a1 ' 1.	D 1
		Clinician/Nurse educator	Profession	iai Communic	ator Leader and member of the	Lifelong Cr learner	ritical thinker	Researcher

					health care team and system			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1: Define and describe process of aging	3	3	2	3	3	3	2
	CO2: describe Normal biological agingand Age related body system changes.	3	3	2	3	3	3	2
	CO3: describe Age related body system changes and Psychological aspect of aging.	3	3	2	3	3	3	2
	CO4: Define and describe Stress and coping in older adults.	3	3	2	3	3	3	2
	CO5:determine Common health problems and nursing management for elder adults		3	2	3	3	3	2
	CO6: explain Concepts and theories of aging.	3	3	2	3	3	3	2
	CO7: discuss Legal and ethical issues. Provisions and programmes for elderly	3	3	2	3	3	3	2
	CO8: Describe Role of family, formal and non formal agencies or care givers	3	3	2	3	3	3	2
	CO9: describe Role of nurse for caregivers of elderly.	3	3	2	3	3	3	2
IX (10 Hrs)	At the end o unit students are able to: Knowledge: Describe the role of nurse in management of patients in critical care units. Skill: Be self poised to render effective critical care and demonstrate competence to work under stress for considerable period of time. Attitude: Understand the difference in communication with relatives and families of critically ill patients.	 Unit: Nursing A assessment Classificat Special equivalent defibrillate management critically illigate Support. T 	ssessment- lt. ion. Protocouipments, veors. Resuscitent of critical patients. Creatment an sive care reconstants.	nistory and phyols, equipment action equipment ly ill patients. CPR-Advance d procedures. Cords. Crisis in care unit.	rsical and supplies. iac monitors, its. Nursing Monitoring Cardiac Life Fransitional	Phys polic norm • Infect prote	etion control ocols. cal and legal cts	 Communicati on with patient and family. Death and dying: Coping with (1 hr)
		Program outcome	e					

	Course outcome	Clinician/Nurse educator	Professional	Communica tor	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO1: Describe Nursing Assessment- history and physical assessment for critically ill patient	3	3	2	3	3	3	2
	CO2:Define ventilator and discuss various modes of ventilators	3	3	2	3	3	3	2
	CO3:Describe Nursing management of critically ill patients.	3	3	2	3	3	3	2
	CO4:Define CPR- Advance Cardiac Life Support and illustrate the procedure of CPR	3	3	2	3	3	3	2
	CO5:Define defibrillator and describe indication and procedure of using defibrillators	3	3	2	3	3	3	2
	CO6:Describe Organization: Physical setup, policies, staffing norms for ICU and CCU	3	3	2	3	3	3	2
	CO7:Explain Infection control protocols in ICU and CCU	3	3	2	3	3	3	2
	CO8:Describe Ethical and legal aspects for critically ill patient	3	3	2	3	3	3	2
X (8Hrs)	At the end o unit students are able to: Knowledge: Describe etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorders. Skill: Identify various industrial disorders among employees of different vocations and render effective care to them. Attitude: Participate in safety awareness.	 elderly with disorders: Nursing assessme Etiology manifest modalitie of occupanurse. 	Assessment – Hent. , pathophysiological and medical actional and industrial	and Indust listory and p gy, clinical s and treatn and nursing	physical nent management	industr disorde • Nursin proced • Care o	ent of tional and ial ers. g ures.	Special therapies, alternative therapies (1 Hr)
	Course outcome	Program outcom	me					
		Clinician/Nurs	Professional (Communi Le	ader and member	Lifelong	Critical	Researcher

	e educator		cator	of the health care team and system	learner	thinker	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1: Describe Nursing Assessment – History and physical assessment for Occupational and Industrial disorders:	3	3	2	3	3	3	2
CO2:Describe etiology for Occupational and Industrial disorders:	3	3	2	3	3	3	2
CO3:Determine medical management of occupational and industrial disorders.	3	3	2	3	3	3	2
CO4: Determine Nursing management of occupational and industrial disorders.	3	3	2	3	3	3	2
CO5:define Occupational and Industrial nurse and explain role of occupational& Industrial nurse	3	3	2	3	3	3	2
CO6: Discusses Drugs used in treatment of occupational and industrial disorders.	3	3	2	3	3	3	2
CO7: Explain Care of Older adult with HIV	3	3	2	3	3	3	2
CO8:Determine Special therapies, alternative therapies for managing occupational and industrial disorders.	3	3	2	3	3	3	2

TEACHING STRATEGY:

Total teaching Hours: 400

Theory Hours: 120 Lab. Hours: 10 Clinical Hours: 270

ASSIGNMENTS:

Theory:

Sr. No	Assignments	No./Quantity	Marks Per	Total
			Assignment	Marks
1	Home Assignment	Two	20	40
			Total Marks	40

Practical:

Sr. No	Assignments	No./Quantity	Marks Per	Total
			Assignment	Marks
1	Clinical Performance Evaluation	Three	50	150
2	Case Presentation	One	25	25
3	Case study	One	25	25
4	Nursing Care Plan	Three	20	60
5	Procedure Evaluation	One	20	20
6	EYE/ENT Report	One	20	20
			Total Marks	300

TEACHING METHODS:

• Lectures, Seminars, Laboratory Demonstration, Group Discussion, Clinical Observation, Case Presentation, Workshop, Simulation. Integrated teaching program, PBL and Modified Tutorial

A.V. AIDS:

• Over head projector, L.C.D. Computer Assisted Instruction, Flip Chart, Posters, Black Board, Mannequins.

DISTRIBUTION OF LAB HOURS:

Sr. No.	Area of Assessment	Total hours
1	Assessment and examination of Eyes, Ears, Nose, Throat	2 hrs
2	Performing Neurological examination	2 hr
3	Chest Physiotherapy	1 hr
4	CPR, Bag and Mask Ventilation and Defribrilator	2 hr
5	Collect specimen and interpretation of ABG 1 h	
6	Tracheotomy and Endotracheal suction and care	2 hrs

LIST OF RECOMMENDED BOOKS:

- Text Book of Medical Surgical Nursing Brunner and Suddarth.
- Medical Surgical Nursing Clinical Positive Out Joyce and Black.
- Medical Surgical Assessment and Management of clinical problems Lewis, Colliner.
- Medical Surgical Nursing A psychopathologic approach- Luckmann and Sorenson.
- Medical Surgical Nursing A Nursing Process Approach.
- Medical Surgical Nursing B.T. Basvanthappa.
- Medical Surgical Nursing an integrated approach Write L. and Delmar.
- Moroneys Surgery for Nurses Colmer.
- API Text Book Medicine- Shah N.S.
- Pharmacology and Pharmacotherapeutics Satoskat and Bhandarkar.
- Fundamentals of Operation Theatre Services Datta T.K.
- Fundamentals of orthopedics Maheshwari.
- Illustrated Textbook of Dermatology Parischa J.S., Gupta.
- Davidson principles and practice of Medicine.
- The Lippincott Manual of Nursing Practice Nettina, Sandra.

MEDICAL AND SURGICAL NURSING - II (Adult including Geriatrics) Practical

Area	Duration In Hrs	Objective of posting	Skill to be Developed	
ENT	30	• Provide care to patient with ENT disorders. Counsel and educate patients and families.	• Perform examination of ear, nose and throat. Assist with diagnostic procedures. Instillation of drops. Perform/ assist with irrigation. Apply ear bandage. Teach patients and families.	
Ophthalmolog y	30	 Provide care to patient with Eye disorders. Counsel and educate patients and families. 	• Perform examination of Eye. Assist with diagnostic procedures and therapeutic procedures. Perform/ assist with irrigation. Apply eye bandage, eye drops/ ointment. Assist with foreign body removal. Teach patients and families.	
Neurology	60	 Provide care to patient with neurological disorder. Counsel and educate patients and families. 	• Perform neurological examination. Use Glasgow coma scale. Assist with diagnostic procedures. Teach patients and families. Participate in rehabilitation programme.	
Gynecology	30	 Provide care to patient with gynecological disorders. Counsel and educate patients and families. 	• Assist with gynecological examination. Assist with diagnostic procedures. Assist with therapeutic procedures. Teach patients and families. Teach self breast examination. Assist with PAP smear collection.	
Burn Unit	30	 Provide care to patient with burns. Counsel and educate patients and families 		
Oncology and palliative care Unit	14+16	• Provide care to the cancer patients. Counsel and educate to patient and families.	• Screen for common cancers – TNM classification. Assist with diagnostic procedures – Biopsies, Pap smear, Bone marrow aspiration. Breast examination. Assist with therapeutic procedures. Participates in various modalities of treatment – Chemotherapy, Radiotherapy, pain management, Stoma therapy, Hormonal therapy, Immuno therapy, Gene therapy. Participatin palliative care. Counsel and teach patients and families-Self breast examination, warning signs. Participate in rehabilitation programme.	
Critical Care Unit	30	 Provide care to critically ill patients. Counsel patient and families for grief and bereavement. 	 Monitoring of patients in ICU. Maintain flow sheet. Care of patients on ventilators. Perform endo-tracheal suction. Demonstrate use of ventilators, cardiac monitors, etc. Collect sample for ABG analysis and interpret report. Assist with arterial puncture. Maintain CVP line. Pulse Oxymetry. CPR – ALS. Defibrillators, pace makers, Bag mask ventilation Emergency trolley/tray/crash cart. Administration of drugs, infusion pump, epidural, intra-thecal, Intra cardiac. Total parental therapy. Chest physiotherapy. Perform active and 	

			passive exercise. Counsel the patient and family in dealing with grieving and bereavement.
Casualty/ Emergency	30	Provide care to patients in emergency and disaster situation. Counsel patients and families for grief and bereavement.	• Practice 'triage'. Assist with assessment, examination, investigations and their interpretations, in emergency and disaster situations. Assist in documentation. Assist in medico legal procedures in emergency unit. Participate in managing crowd. Counsel the patient and family in grief and bereavement.