

SHAKUNTLA SCHOOL & COLLEGE OF NURSING ,JAUNTI
DEPARTMENT OF MEDICAL SURGICAL NURSING
ADULT HEALTH NURSING – II WITH INTEGRATED PATHOPHYSIOLOGY (including
Geriatric Nursing & Palliative care module)
B.Sc. 4TH SEMESTER
COURSE PLAN

PLACEMENT: IV SEMESTER

THEORY: (140 hours)

PRACTICAL (480 hours)

COURSE DESCRIPTION: This course is designed to equip the students to review and apply their knowledge of Anatomy, Physiology, Biochemistry and Behavioral sciences in caring for adult patients with Medical/Surgical disorders using nursing process approach. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative and rehabilitative care to adult patients with various Medical Surgical disorders.

COMPETENCIES: On completion of the course the students will apply nursing process and critical thinking in delivering holistic nursing care with selected Medical and Surgical conditions.

At the completion of Adult Health Nursing II course, students will

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of selected common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of diagnostic tests in the process of data collection.
3. Identify diagnoses, list them according to priority and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of anatomy, physiology, pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
7. Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
8. Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
9. Identify the drugs used in treating patients with selected medical surgical conditions.
10. Plan and provide relevant individual and group education on significant medical surgical topics.
11. Maintain safe environment for patients and the health care personnel in the hospital.


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COURSE OUTLINE

T – Theory, L/SL – Lab/Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	12 (T) 4 (SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and medical, surgical, nutritional and nursing management of patients with ENT disorders	<p>Nursing management of patient with disorders of Ear, Nose and Throat (Includes etiology, pathophysiology, clinical manifestations, diagnostic measures and medical, surgical, nutritional and nursing management)</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the ear, nose and throat • History, physical assessment, and diagnostic tests • Ear <ul style="list-style-type: none"> ○ External ear: deformities otalgia, foreign bodies and tumors ○ Middle ear: impacted wax, tympanic, membrane perforation, otitis media, and tumors ○ Inner ear: Meniere's disease, labyrinthitis, ototoxicity tumors • Upper respiratory airway infections: Rhinitis, sinusitis, tonsillitis, laryngitis • Epistaxis, Nasal obstruction, laryngeal obstruction • Deafness and its management 	<ul style="list-style-type: none"> • Lecture and discussion • Demonstration of hearing aids, nasal packing, medication administration • Visit to audiology and speech clinic 	<ul style="list-style-type: none"> • MCQ • Short answer • Essay • OSCE • Assessment of skill (using checklist) • Quiz • Drug book


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Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
II	12 (T) 4 (SL)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye</p> <p>Describe eye donation, banking and transplantation</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 History, physical assessment, diagnostic assessment <p>Eye Disorders</p> <ul style="list-style-type: none"> Refractive errors Eyelids: infection, deformities Conjunctiva: inflammation and infection bleeding Cornea: inflammation and infection Lens: cataract Glaucoma Retinal detachment Blindness Eye donation, banking and transplantation 	<ul style="list-style-type: none"> Lecture and discussion Demonstration of visual aids, lens, medication administration Visit to eye bank 	<ul style="list-style-type: none"> MCQ Short Essay OSCE Drug book
III	15 (T) 4 (L/SL)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of Kidney and urinary system disorders</p> <p>Demonstrate skill in genitourinary assessment</p> <p>Prepare patient for genitourinary investigations</p> <p>Prepare and provide health education on prevention of renal calculi</p>	<p>Nursing management of patient with Kidney and Urinary problems</p> <ul style="list-style-type: none"> Review of Anatomy and physiology of the genitourinary system History, physical assessment, diagnostic tests Urinary tract infections: acute, chronic, lower, upper Nephritis, nephrotic syndrome Renal calculi Acute and chronic renal failure Disorders of ureter, urinary bladder and Urethra Disorders of prostate: inflammation, infection, stricture, obstruction, and Benign Prostate Hypertrophy 	<ul style="list-style-type: none"> Lecture cum Discussion Demonstration Case Discussion Health education Drug book Field visit – Visits hemodialysis unit 	<ul style="list-style-type: none"> MCQ Short Note Long essay Case report Submits health teaching on prevention of urinary calculi
IV	6 (T)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of male reproductive disorders</p>	<p>Nursing management of disorders of male reproductive system</p> <ul style="list-style-type: none"> Review of Anatomy and physiology of the male reproductive system History, Physical Assessment, Diagnostic tests Infections of testis, penis and adjacent structures: Phimosis, Epididymitis, and 	<ul style="list-style-type: none"> Lecture, Discussion Case Discussion Health education 	<ul style="list-style-type: none"> Short essay

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			<p>Orchitis</p> <ul style="list-style-type: none"> Sexual dysfunction, infertility, contraception Male Breast Disorders: gynecomastia, tumor, climacteric changes 		
V	10 (T) 4 (SL)	Explain the etiology, pathophysiology, clinical manifestations, types, diagnostic measures and management of patients with disorders of burns/cosmetic surgeries and its significance	<p>Nursing management of patient with burns, reconstructive and cosmetic surgery</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the skin and connective tissues History, physical assessment, assessment of burns and fluid & electrolyte loss Burns Reconstructive and cosmetic surgery for burns, congenital deformities, injuries and cosmetic purposes, gender reassignment Legal and ethical aspects Special therapies: LAD, vacuumed dressing. Laser, liposuction, skin health rejuvenation, use of derma filters 	<ul style="list-style-type: none"> Lecture and discussion Demonstration of burn wound assessment, vacuum dressing and fluid calculations Visit to burn rehabilitation centers 	<ul style="list-style-type: none"> OSCE Short notes
VI	16 (T) 4 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with neurological disorders	<p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the neurological system History, physical and neurological assessment, diagnostic tests Headache, Head injuries Spinal injuries: Paraplegia, Hemiplegia, Quadriplegia Spinal cord compression: herniation of in vertebral disc Intra cranial and cerebral aneurysms Meningitis, encephalitis, brain, abscess, neuro-cysticercosis Movement disorders: Chorea, Seizures & Epilepsies Cerebrovascular disorders: CVA Cranial, spinal neuropathies: Bell's palsy, trigeminal neuralgia Peripheral Neuropathies Degenerative diseases: Alzheimer's disease, Parkinson's disease <i>Guillain-Barré syndrome</i>, Myasthenia gravis & Multiple sclerosis 	<ul style="list-style-type: none"> Lecture and discussion Demonstration of physiotherapy, neuro assessment, tracheostomy care Visit to rehabilitation center, long term care clinics, EEG, NCV study unit, 	<ul style="list-style-type: none"> OSCE Short notes Essay Drug book

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> • Rehabilitation of patient with neurological deficit 		
VII	12 (T) 4 (L/SL)	<p>Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of immunological disorders</p> <p>Prepare and provides health education on prevention of HIV infection and rehabilitation</p> <p>Describe the national infection control programs</p>	<p>Nursing management of patients with Immunological problems</p> <ul style="list-style-type: none"> • Review of Immune system • Nursing Assessment: History and Physical assessment • HIV & AIDS: Epidemiology, Transmission, Prevention of Transmission and management of HIV/AIDS • Role of Nurse; Counseling, Health education and home care consideration and rehabilitation • National AIDS Control Program – NACO, various national and international agencies for infection control 	<ul style="list-style-type: none"> • Lecture, discussion • Case Discussion/ seminar • Refer Module on HIV/AIDS 	
VIII	12 (T) 4 (L/SL)	<p>Explain the etiology, pathophysiology, types, clinical manifestations, staging, diagnostic measures and management of patients with different cancer, treatment modalities including newer treatments</p>	<p>Nursing management of patient with Oncological conditions</p> <ul style="list-style-type: none"> • Structure and characteristics of normal and cancer cells • History, physically assessment, diagnostic tests • Prevention screening early detections warning sign of cancer • Epidemiology, etiology classification, Pathophysiology, staging clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Oncological condition • Common malignancies of various body system eye, ear, nose, larynx, breast, cervix, ovary, uterus, sarcoma, renal, bladder, kidney, prostate Brain, Spinal cord. • Oncological emergencies • Modalities of treatment: Chemotherapy, Radiotherapy: Radiation safety, AERB regulations, Surgical intervention, Stem cell and bone marrow transplant, Immunotherapy, Gene therapy • Psychological aspects of cancer: anxiety, depression, insomnia, anger • Supportive care • Hospice care 	<ul style="list-style-type: none"> • Lecture and discussion • Demonstration of chemotherapy preparation and administration • Visit to BMT, radiotherapy units (linear accelerator, brachytherapy, etc.), nuclear medicine unit <p>• Completion of palliative care</p>	<ul style="list-style-type: none"> • OSCE • Essay • Quiz • Drug book • Counseling, health teaching

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
				module during clinical hours (20 hours)	
IX	15 (T) 4 (L/SL)	Explain the types, policies, guidelines, prevention and management of disaster and the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with acute emergencies	Nursing management of patient in Emergency and Disaster situations Disaster Nursing <ul style="list-style-type: none"> • Concept and principles of disaster nursing, Related Policies • Types of disaster: Natural and manmade • Disaster preparedness: Team, guidelines, protocols, equipment, resources • Etiology, classification, Pathophysiology, staging, clinical manifestation, diagnosis, treatment modalities and medical and surgical management of patient with medical and surgical emergencies – Poly trauma, Bites, Poisoning and Thermal emergencies • Principles of emergency management • Medico legal aspects 	<ul style="list-style-type: none"> • Lecture and discussion • Demonstration of disaster preparedness (Mock drill) and triaging • Filed visit to local disaster management centers or demo by fire extinguishers • Group presentation (role play, skit, concept mapping) on different emergency care • Refer Trauma care management/ ATCN module • Guided reading on National Disaster Management Authority (NDMA) guidelines 	<ul style="list-style-type: none"> • OSCE • Case presentations and case study
X	10 (T)	Explain the Concept, physiological changes, and psychosocial problems of ageing Describe the nursing management of the elderly	Nursing care of the elderly <ul style="list-style-type: none"> • History and physical assessment • Aging process and age-related body changes and psychosocial aspects • Stress and coping in elder patient • Psychosocial and sexual abuse of elderly • Role of family and formal and non-formal caregivers • Use of aids and prosthesis (hearing aids, dentures) • Legal and ethical issues • National programs for elderly, privileges, community programs and health services • Home and institutional care 	<ul style="list-style-type: none"> • Lecture and discussion • Demonstration of communication with visual and hearing impaired • Field visit to old age homes 	<ul style="list-style-type: none"> • OSCE • Case presentations • Assignment on family systems of India focusing on geriatric population
XI	15 (T) 8 (L/SL)	Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients in critical care units	Nursing management of patients in critical Care units <ul style="list-style-type: none"> • Principles of critical care nursing • Organization: physical set-up, policies, staffing norms • Protocols, equipment and supplies 	<ul style="list-style-type: none"> • Lecture and discussion • Demonstration on the use of mechanical ventilators, cardiac monitors etc. • Clinical practice in 	<ul style="list-style-type: none"> • Objective type • Short notes • Case presentations • Assessment of skill on monitoring of

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> • Use and application of critical care biomedical equipment: ventilators, cardiac monitors, defibrillators, infusion pump, Resuscitation equipment and any other • Advanced Cardiac Life support • Nursing management of critically ill patient • Transitional care • Ethical and Legal Aspects • Breaking Bad News to Patients and/or their families: Communication with patient and family • End of life care 	different ICUs	<p>patients in ICU.</p> <ul style="list-style-type: none"> • Written assignment on ethical and legal issues in critical care
XII	5 (T)	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with occupational/ industrial health disorders	<p>Nursing management of patients occupational and industrial disorders</p> <ul style="list-style-type: none"> • History, physical examination, Diagnostic tests • Occupational diseases and management 	<ul style="list-style-type: none"> • Lecture and discussion • Industrial visit 	<ul style="list-style-type: none"> • Assignment on industrial health hazards



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