

<b>COURSE TITLE</b>	<b>ADULT HEALTH NURSING II WITH INTEGRATED PATHOPHYSIOLOGY INCLUDING GERIATRIC NURSING + PALLIATIVE CARE MODULE</b>
<b>COURSE CODE</b>	<b>20BN0402</b>
<b>COURSE CREDITS</b>	<b>14</b>

**Objective:**

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.

**Course Outcomes:** After completion of this course, student will be able to:

1. Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and medical, surgical, nutritional and nursing management of patients with ENT disorders, Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye Describe eye donation, banking and transplantation, Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of Kidney and urinary system disorders Demonstrate skill in genitourinary assessment Prepare patient for genitourinary investigations Prepare and provide health education on prevention of renal calculi.
2. Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of male reproductive disorders, Explain the etiology, pathophysiology, clinical manifestations, types, diagnostic measures and management of patients with disorders of burns/cosmetic surgeries and its significance, Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with neurological disorders,

**Course Outcomes:** After completion of this course, student will be able to:

- 3 Explain the etiology, pathophysiology, clinical manifestations, diagnostic tests, and medical, surgical, nutritional, and nursing management of immunological disorders Prepare and provides health education on prevention of HIV infection and rehabilitation Describe the national infection control programs, Explain the etiology, pathophysiology, types, clinical manifestations, staging, diagnostic measures and management of patients with different cancer, treatment modalities including newer treatments,
- 4 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, Explain the Concept, physiological changes, and psychosocial problems of ageing Describe the nursing management of the elderly
- 5 Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients in critical care units,
- 6 Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with occupational/ industrial health disorders

**Pre-requisite of course:** 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.

#### Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
7	24	2	75	15	10	50	50

Contents : Unit	Topics	Contact Hours
1	<b>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)</b> Review of anatomy and physiology of the ear, nose and throat, History, physical assessment, and diagnostic tests, Ear : 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	12
2	<b>Nursing management of patient with disorder of eye</b> Review of anatomy and physiology of the eye, History, physical assessment, diagnostic assessment, Eye Disorders: Refractive errors, Eyelids: infection, deformities, Conjunctiva: inflammation and infection bleeding, Cornea: inflammation and infection, Lens: cataract, Lens: cataract, Retinal detachment, Blindness, Eye donation, banking and transplantation	12

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
3	<b>Nursing management of patient with Kidney and Urinary problems</b> 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	15
4	<b>Nursing management of disorders of male reproductive system</b> 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 Orchitis, Sexual dysfunction, infertility, contraception, Male Breast Disorders: gynecomastia, tumor, climacteric changes	6
5	<b>Nursing management of patient with burns, reconstructive and cosmetic surgery</b> 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	10
6	<b>Nursing management of patient with neurological disorders</b> 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 intervertebral 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, Guillain-Barré syndrome, Myasthenia gravis & Multiple sclerosis, Rehabilitation of patient with neurological deficit	16
7	<b>Nursing management of patients with Immunological problems</b> 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	12

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
8	<b>Nursing management of patient with Oncological conditions</b> 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	12
9	<b>Nursing management of patient in Emergency and Disaster situations Disaster Nursing</b> 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 nursing management of patient with medical and surgical emergencies – Poly trauma, Bites, Poisoning and Thermal emergencies, Principles of emergency management, Medico legal aspects	15
10	<b>Nursing care of the elderly</b> 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	10
11	<b>Nursing management of patients in critical Care units</b> Principles of critical care nursing, Organization: physical set-up, policies, staffing norms , Protocols, equipment and supplies, 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	15
12	<b>Nursing management of patients occupational and industrial disorders</b> History, physical examination, Diagnostic tests, Occupational diseases and management	5
<b>Total Hours</b>		<b>140</b>

**Suggested List of Experiments:**

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
1	<b>Nursing management of patient with disorders of Ear, Nose and Throat</b> Demonstration of hearing aids, nasal packing, medication administration	4
2	<b>Nursing management of patient with disorder of eye</b> Demonstration of visual aids, lens, medication administration	4
3	<b>Nursing management of patient with Kidney and Urinary problems</b> Demonstration ,. Case Discussion , Health education , Drug book	4
4	<b>Nursing management of patient with burns, reconstructive and cosmetic surgery</b> Demonstration of burn wound assessment, vacuum dressing and fluid calculations	4
5	<b>Nursing management of patient with neurological disorders</b> Demonstration of physiotherapy, neuro assessment, tracheostomy care	4
6	<b>Nursing management of patients with Immunological problems</b> Case Discussion/ seminar, Refer Module on HIV/AIDS	4
7	<b>Nursing management of patient with Oncological conditions</b> Demonstration of chemotherapy preparation and administration	4
8	<b>Nursing management of patient in Emergency and Disaster situations</b> Demonstration of disaster preparedness (Mock drill) and triaging , 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	4
9	<b>Nursing management of patients in critical Care units</b> Demonstration on the use of mechanical ventilators, cardiac monitors etc.	8
10	<b>Clinical Contact Hours</b> Clinical posting In various Hospital , Visit to audiology and speech clinic , Visit to eye bank , Field visit – Visits hemodialysis unit , Visit to burn rehabilitation centers, Visit to rehabilitation center, long term care clinics, EEG, NCV study unit,, Visit to BMT, radiotherapy units (linear accelerator, brachytherapy, etc.), nuclear medicine unit , Completion of palliative care module during clinical hours (20 hours) , Filed visit to local disaster management centers or demo by fire extinguishers , Field visit to old age homes , Clinical practice in different ICUs , Industrial visit	480
<b>Total Hours</b>		<b>520</b>

**Textbook :**

- 1 Taxbook of Adult Health Nursing-II For Bsc Nursing students , ASHOK KUMAR BISHNOI, Vision Health Sciences Publishers, 2022

**References:**

- 1 Taxbook of Adult Health Nursing-II Medical Surgical Nursing, Taxbook of Adult Health Nursing-II Medical Surgical Nursing, MJ Kumari, Jaypee Brothers Medical Publishers (P) Ltd, 2021
- 2 Taxbook of Adult Health Nursing-II, Taxbook of Adult Health Nursing-II, jaideep herbart, sweta pattnaik, anil sharma , CBS publishers , 2021

**Suggested Theory Distribution:**

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
0.00	0.00	35.00	35.00	30.00	0.00

**Instructional Method:**

- 1 Lecture cum discussion for theory + Demonstration in Lab + clinical posting

**Supplementary Resources:**

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