B.Sc. Nursing Syllabus

Semester IV

Subjects

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Curriculum sources

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Pharmacology II

60 hours theory | 3 credits

Includes the Fundamentals of Prescribing Module.

Course description

This course is designed to enable students to acquire understanding of Pharmacodynamics, Pharmacokinetics, principles of therapeutics & nursing implications. Further it develops understanding of fundamental principles of prescribing in students.

Learning outcomes

- Explain the drugs used in the treatment of ear, nose, throat and eye disorders.
- Explain the drugs used in the treatment of urinary system disorders.
- Describe the drugs used in the treatment of nervous system disorders.
- Explain the drugs used for hormonal replacement and for the pregnant women during antenatal, intra natal and postnatal period.
- Explain the drugs used to treat emergency conditions and immune disorders.
- Discuss the role and responsibilities of nurses towards safe administration of drugs used to treat disorders of various systems with basic understanding of pharmacology.
- Demonstrate understanding about the drugs used in alternative system of medicine.
- Demonstrate understanding about the fundamental principles of prescribing.

Theory

Unit I

- Drugs used in disorders of ear, nose, throat & Eye
- Antihistamines
- Topical applications for eye (Chloramphenicol, Gentamycin eye drops), ear (Soda glycerin, boric spirit ear drops), nose and buccal cavity-chlorhexidine mouthwash
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

Unit II

- Drugs used on urinary system
- Pharmacology of commonly used drugs
  - Renin angiotensin system
  - Diuretics and antidiuretics
  - Drugs toxic to kidney
  - Urinary antiseptics
  - Treatment of UTI - acidifiers and alkalinizers

- Composition, action, dosage, route, indications, contraindications, Drug interactions, side effects, adverse effects toxicity and role of nurse

Unit III

- Drugs acting on nervous system
- Basis & applied pharmacology of commonly used drugs
- Analgesics and anaesthetics
  - Analgesics: Non-steroidal anti-inflammatory (NSAID) drugs
  - Antipyretics
  - Opioids & other central analgesics
- □ General (techniques of GA, pre anesthetic medication) & local anesthetics
- □ Gases: oxygen, nitrous, oxide, carbon-dioxide & others
- Hypnotics and sedatives
- Skeletal muscle relaxants
- Antipsychotics
  - Mood stabilizers
- Antidepressants
- Antianxiety Drugs
- Anticonvulsants
- Drugs for neurodegenerative disorders & miscellaneous drugs
- Stimulants, ethyl alcohol and treatment of methyl alcohol poisoning
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects toxicity and role of nurse

Unit IV

- Drugs used for hormonal, disorders and supplementation, contraception and medical termination of pregnancy
- Estrogens and progesterones
  - Oral contraceptives and hormone replacement therapy
- Vaginal contraceptives
- Drugs for infertility and medical termination of pregnancy
  - Uterine stimulants and relaxants
- Composition, actions dosage route indications contraindications, drugs interactions, side effects, adverse effects, toxicity and role of nurse

Unit V

- Drugs used for pregnant women during antenatal, labour and postnatal period
- Tetanus prophylaxis
- Iron and Vit K1 supplementation
- Oxytocin, Misoprostol

- Ergometrine
- Methyl prostaglandin F2-alpha
- Magnesium sulphate
- Calcium gluconate

Unit VI

- Miscellaneous
- Drugs used for deaddiction
- Drugs used in CPR and emergency-adrenaline, Chlorpheniramine, hydrocortisone, Dexamethasone
- IV fluids & electrolytes replacement
- Common poisons, drugs used for treatment of poisoning
  - Activated charcoal
  - Ipecac
  - Antidotes,
  - Anti-snake venom (ASV)
- Vitamins and minerals supplementation
- Vaccines & sera (Universal immunization program schedules)
- Anticancer drugs: Chemotherapeutic drugs commonly used
- Immuno-suppressants and Immunostimulants

Unit VII

- Introduction to drugs used in alternative systems of medicine
- Ayurveda, Homeopathy, Unani and Siddha etc.
- Drugs used for common ailments

Unit VIII

- Fundamental principles of prescribing
- Prescriptive role of nurse practitioners: Introduction
- Legal and ethical issues related to prescribing
- Principles of prescribing
- Steps of prescribing
- Prescribing competencies

Pathology II and Genetics

20 hours theory | 1 credit

Course description

This course is designed to enable students to acquire knowledge of pathology of various disease conditions, understanding of genetics, its role in causation and management of defects and diseases and to apply this knowledge in practice of nursing.

Learning outcomes

- Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology
- Rationalize the various laboratory investigations in diagnosing pathological disorders
- Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine and feces for various tests
- Apply the knowledge of genetics in understanding the various pathological disorders
- Appreciate the various manifestations in patients with diagnosed genetic abnormalities
- Rationalize the specific diagnostic tests in the detection of genetic abnormalities.
- Demonstrate the understanding of various services related to genetics.

Theory

Unit I

- Special Pathology:
- Pathological changes in disease conditions of selected systems
- Kidneys and Urinary tract
- Glomerulonephritis
- Pyelonephritis
- Renal calculi
- Cystitis
- Renal Cell Carcinoma
- Renal Failure (Acute and Chronic)
- Male genital systems
- Cryptorchidism
- Testicular atrophy
- Prostatic hyperplasia
- Carcinoma penis and Prostate.
- Female genital system
- Carcinoma cervix
- Carcinoma of endometrium

- Uterine fibroids
- Vesicular mole and Choriocarcinoma
- Ovarian cyst and tumors
- Breast
- Fibrocystic changes
- Fibroadenoma
- Carcinoma of the Breast
- Central nervous system
- Meningitis.
- Encephalitis
- Stroke
- Tumors of CNS

Unit II

- Clinical Pathology
- Examination of body cavity fluids:
  - Methods of collection and examination of CSF and other body cavity fluids (sputum, wound discharge) specimen for various clinical pathology, biochemistry and microbiology tests
- Analysis of semen:
  - Sperm count, motility and morphology and their importance in infertility
- Urine:
  - Physical characteristics, Analysis, Culture and Sensitivity
- Faeces:
  - Characteristics
  - Stool examination: Occult blood, Ova, Parasite and Cyst, Reducing substance etc.
  - Methods and collection of urine and faeces for various tests

Genetics

Unit I

- Introduction:
- Practical application of genetics in nursing
- Impact of genetic condition on families
- Review of cellular division: mitosis and meiosis
- Characteristics and structure of genes
- Chromosomes: sex determination
- Chromosomal aberrations
- Patterns of inheritance
- Mendelian theory of inheritance

- Multiple allots and blood groups
- Sex linked inheritance
- Mechanism of inheritance
- Errors in transmission (mutation)

Unit II

- Maternal, prenatal and genetic influences on development of defects and diseases
- Conditions affecting the mother: genetic and infections
- Consanguinity atopy
- Prenatal nutrition and food allergies
- Maternal age
- Maternal drug therapy
- Prenatal testing and diagnosis
- Effect of Radiation, drugs and chemicals
- Infertility
- Spontaneous abortion
- Neural Tube Defects and the role of folic acid in lowering the risks
- Down syndrome (Trisomy 21)

Unit III

- Genetic testing in the neonates and children
- Screening for
  - Congenital abnormalities
  - Developmental delay
  - Dysmorphism

Unit IV

- Genetic conditions of adolescents and adults
- Cancer genetics: Familial cancer
- Inborn errors of metabolism
- Blood group alleles and hematological disorder
- Genetic haemochromatosis
- Huntington's disease
- Mental illness

Unit V

- Services related to genetics
- Genetic testing
- Gene therapy
- Genetic counseling

- Legal and Ethical issues
- Role of nurse

Adult Health Nursing II

140 hours theory | 40 hours lab | 480 hours clinical | 14 credits

Includes the Geriatric Nursing AND PALLIATIVE CARE MODULE.

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.

Learning outcomes

holistic nursing care with selected Medical and Surgical conditions.

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

- Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of selected common medical and surgical disorders.
- 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.
- Identify diagnoses, list them according to priority and formulate nursing care plan.
- Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
- Integrate knowledge of anatomy, physiology, pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
- Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
- Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
- Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
- Identify the drugs used in treating patients with selected medical surgical conditions.
- Plan and provide relevant individual and group education on significant medical surgical topics.
- Maintain safe environment for patients and the health care personnel in the hospital.

Theory

Unit I

- 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)
- 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

Unit II

- Nursing management of patient with disorder of eye
- 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
- Glaucoma
- Retinal detachment
- Blindness
- Eye donation, banking and transplantation

Unit III

- Nursing management of patient with Kidney and Urinary problems
- 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

Unit IV

- Nursing management of disorders of male reproductive system
- 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

Unit V

- Nursing management of patient with burns, reconstructive and cosmetic surgery
- 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

Unit VI

- Nursing management of patient with neurological disorders
- 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
- Guillain-Barré syndrome, Myasthenia gravis & Multiple sclerosis
- Rehabilitation of patient with neurological deficit

Unit VII

- Nursing management of patients with Immunological problems
- 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

Unit VIII

- Nursing management of patient with Oncological conditions
- 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

Unit IX

- Nursing management of patient in Emergency and Disaster situations
- Disaster Nursing
- 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

Unit X

- Nursing care of the elderly
- 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

Unit XI

- Nursing management of patients in critical Care units
- 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

Unit XII

- Nursing management of patients occupational and industrial disorders
- History, physical examination, Diagnostic tests
- Occupational diseases and management

Clinical practicum

CLINICAL PRACTICUM: 6 Credits (480 Hours) - 20 weeks × 24 hours

PRACTICE COMPETENCIES: On completion of the clinical practicum, the students will develop proficiency in

applying nursing process and critical thinking in rendering holistic nursing care including rehabilitation to the adult/geriatric patients admitted in Critical Care Units, undergoing cosmetic and reconstructive surgery and with selected medical & surgical disorders of ear, nose, throat, eye, Genitourinary, reproductive, immunologic, nervous systems and in emergency/disaster conditions.

The students will be competent to

- Utilize the nursing process in providing care to the sick adults in the hospital

a. Perform complete health assessment to establish a data base for providing quality patient care.

b. Integrate the knowledge of diagnostic tests in patient assignment.

c. Identify nursing diagnoses and list them according to priority.

d. Formulate nursing care plan, using problem solving approach.

e. Apply scientific principles while giving nursing care to patients.

f. Develop skill in performing nursing procedures applying scientific principle.

g. Establish/develop interpersonal relationship with patients and family members.

h. Evaluate the expected outcomes and modify the plan according to the patient needs.

- Provide comfort and safety to adult patients in the hospital.
- Maintain safe environment for patients during hospitalization.

- Explain nursing actions appropriately to the patients and family members.
- Ensure patient safety while providing nursing procedures.
- Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients.
- Provide pre, intra and post-operative care to patients undergoing surgery.
- Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing selected medical and surgical disorders.
- Integrate evidence-based information while giving nursing care to patients.
- Demonstrate the awareness of legal and ethical issues in nursing practice.

I. Nursing Management of Patients with ENT Disorders

A. Skill Lab

Use of manikins and simulators

- Tracheostomy care
- Instilling Ear and Nasal medications
- Bandage application

B. Clinical Postings

Practical and clinical

ENT Ward and OPD (2 weeks)

- Examination of ear, nose, throat and History taking
- Applying bandages to Ear, Nose
- Tracheostomy care
- Preparation of patient, assisting and monitoring of patients undergoing diagnostic procedures
  - Auditory screening tests
  - Audiometric tests
- Preparing the patient and assisting in special procedures like Anterior/ posterior nasal packing, Ear Packing and Syringing
- Preparation and after care of patients undergoing ENT surgical procedures
- Instillation of drops/medication

Clinical requirements

- ENT assessment -1
- Case study/ Clinical presentation - 1

II. Nursing Management of Patients with Eye Conditions

A. Skill Lab

Use of manikins and simulators

- Instilling Eye medications
- Eye irrigation

- Eye bandage

B. Clinical Postings

Ophthalmology unit (2 weeks)

- History taking, Examination of eyes and interpretation
- Assisting procedures
  - Visual acuity
  - Fundoscopy, retinoscopy, ophthalmoscopy, tonometry,
  - Refraction tests

Clinical requirements

- Eye assessment - 1
- Health teaching
- Case study/ Clinical Presentation- 1

Clinical skills (continued)

- Pre and post-operative care
- Instillation of drops/ medication
- Eye irrigation
- Application of eye bandage
- Assisting with foreign body removal

III. Nursing Management of Patients with Kidney and Urinary System Disorders

A. Skill Lab

Use of manikins and simulators

- Assessment: kidney & urinary system
- Preparation: dialysis
- Catheterization and care

B. Clinical Postings

Renal ward/ nephrology ward including Dialysis unit (2 weeks)

- Assessment of kidney and urinary system
  - History taking
  - Physical examination
  - Testicular self-examination
  - digital rectal exam
- Preparation and assisting with diagnostic and therapeutic procedures
  - Cystoscopy, Cystometrogram,
  - Contrast studies: IVP etc.
  - Peritoneal dialysis
  - Hemodialysis,

  - Lithotripsy
  - Specific tests: Semen analysis, gonorreoea test, Renal/ Prostate Biopsy etc.
- Catheterization: care
- Bladder irrigation
- I/O recording and monitoring
- Ambulation and exercise

Clinical requirements

- Assessment - 1
- Drug presentation
- 1
- Care study/ Clinical presentation - 1
- Preparing and assisting in hemodialysis

IV. Nursing Management of Patients with Burns and Reconstructive Surgery

A. Skill Lab

Use of manikins and simulators

- Assessment of burns wound
- Wound dressing

B. Clinical Postings

Burns unit/ reconstructive surgical unit (2 weeks)

- Assessment of burns
- First aid of burns
- Fluid & electrolyte replacement therapy
- Skin care
- Care of Burn wounds
- Bathing
- Dressing
- Pre-operative and post-operative care of patients
- Caring of skin graft and post cosmetic surgery
- Rehabilitation

Clinical requirements

- burn wound assessment - 1
- care study/case presentation - 1

V. Nursing Management of Patients with neurological disorders

A. Skill Lab

Use of manikins and simulators

- Range of motion exercises

- Muscle strengthening exercises
- Crutch walking

B. Clinical Postings

Neurology- medical/ Surgery wards (3 weeks)

- History taking; Neurological Examination
- Patient monitoring
- Prepare and assist for various invasive and non-invasive diagnostic procedures
- Range of motion exercises, muscle strengthening
- Care of medical, surgical and rehabilitative patients

Clinical requirements

- euro- assessment -1
- Case study/ case presentation - 1
- Drug presentation - 1

VI. Nursing Management of Patients with Immunological Disorders

A. Skill Lab

- Barrier Nursing
- Reverse Barrier Nursing

B. Clinical Postings

Isolation ward/ Medical ward (1 week)

- History taking
- Immunological status assessment (e.g. HIV) and Interpretation of specific tests
- Caring of patients with low immunity
- Practicing of standard safety measures, precautions/barrier nursing/reverse barrier/isolation skills

Clinical requirements

- Assessment of immune status
- Teaching of isolation to patient and family care givers
- Nutritional management
- Care Note - 1

VII. Nursing Management of Patients with disorders of Oncological conditions

A. Skill Lab

Use of manikins and simulators

- Application of topical medication
- Administration of chemotherapy

B. Clinical Postings

Oncology wards (including day care radiotherapy unit) (3 weeks)

- History taking & physical examination of cancer patients

- Screening for common cancers: TNM classification
- Preparation, assisting and after care patients undergoing diagnostic procedures
- Biopsies/FNAC
- Pap smear
- Bone-marrow aspiration
- Various modalities of treatment
- Chemotherapy
- Radiotherapy
- Pain management
- Stoma therapy
- Hormonal therapy
- Immuno therapy
- Gene therapy
- Alternative therapy
- Stoma care and feeding
- Caring of patients treated with nuclear medicine
- Rehabilitation

Clinical requirements

- Assessment - 1
- Care study/ clinical presentation - 1
- Pre and post-operative care of patient with various modes of cancer treatment
- Teaching on BSE to family members
- Visit to palliative care unit

VIII. Nursing Management of Patients in emergency conditions

A. Skill Lab

Use of manikins and simulators

- Assessment: primary and secondary survey
- Trauma care: bandaging, wound care, splinting, positions

B. Clinical Postings

Emergency room/ Emergency unit (2 weeks)

- Practicing "triage'
- Primary and secondary survey in emergency
- Examination, investigations & their interpretations, in emergency & disaster situations
- Emergency care of medical and traumatic injury patients
- Documentations, assisting in legal procedures in emergency unit
- Managing crowd

- Counseling the patient and family in dealing with grieving & bereavement

Clinical requirements

- Triage
- Immediate care
- Use of emergency trolley

IX. Nursing Management of geriatric patients

A. Skill Lab

Use of manikins and simulators

- Use of assistive safety devices

B. Clinical Postings

Geriatric ward (1 week)

- History taking and assessment of Geriatric patient

Clinical requirements

- Geriatric assessment - 1
- Care of normal and geriatric patient with illness
- Fall risk assessment - 1
- Functional status assessment - 1

X. Nursing Management of Patients in critical care units

A. Skill Lab

Use of manikins and simulators

- Assessment critically ill
- ET tube set up -suction
- TT suction
- Ventilator set up
- Chest drainage
- Bag mask ventilation
- Central & Peripheral line
- Pacemaker

B. Clinical Postings

Critical Care Unit (2 weeks)

- Assessment of critically ill patients
- Assisting in arterial puncture, ET tube intubation & extubation
- ABG analysis & interpretation - respiratory acidosis, respiratory alkalosis, metabolic acidosis, metabolic alkalosis
- Setting up of Ventilator modes and settings and care of patient on a ventilator
- Set up of trolley with instruments

- Monitoring and maintenance of Chest drainage system
- Bag and mask ventilation
- Assisting and maintenance of Central and peripheral lines invasive
- Setting up of infusion pump, defibrillator,
- Drug administration-infusion, intracardic, intrathecal, epidural,
- Monitoring pacemaker
- ICU care bundle
- Management of the dying patient in the ICU

Clinical requirements

- Hemodynamic monitoring
- Different scales used in ICU
- Communicating with critically ill patients

Clinical skills logbook

- ENT
- History taking and examination f & h
- of ear, nose & throat
- A li i f b d
- Application of bandages to
- Ear & Nose
- Ear & Nose
- Tracheostomy care
- Tracheostomy care
- Preparation of patient assisting and monitoring of patients undergoing diagnostic procedures
- Preparation of patient, assisting and monitoring of patients undergoing diagnostic procedures
- Auditory screening tests
- Auditory screening tests
- Audiometric tests
- Audiometric tests
- Preparing and assisting in special procedures like Anterior/posterior nasal packing Ear Packing and
- nasal packing, Ear Packing and Syringing
- Preparation and after care of
- Preparation and after care of patients undergoing ENT surgical procedures
- Instillation of ear/nasal
- Instillation of ear/nasal
- Competencies/Skills
- medication

- EYE
- History taking and
- examination of eyes and interpretation
- Assisting procedures
- Visual acuity
- Fundoscopy, retinoscopy, ophthalmoscopy, tonometry
- Refraction tests
- Pre and postoperative care of patient undergoing eye surgery
- Instillation of eye drops/medication
- Eye irrigation
- Application of eye bandage
- Assisting with foreign body removal
- NEPHROLOGY & UROLOGY
- Assessment of kidney and urinary system
- History taking and physical examination
- Testicular self-examination
- Digital rectal exam
- Preparation and assisting with diagnostic and therapeutic procedures
- Cystoscopy, Cystometrogram
- Contrast studies - IVP
- Peritoneal dialysis
- Hemodialysis
- Lithotripsy
- Renal/Prostate Biopsy
- Specific tests - Semen analysis, gonorrhea test
- Catheterization care
- Bladder irrigation
- Competencies/Skills
- Intake and output recording and monitoring
- Ambulation and exercise
- BURNS & RECONSTRUCTIVE SURGERY
- Assessment of burns wound - area/degree/percentage of wound using appropriate scales
- First aid of burns
- Fluid & electrolyte replacement therapy
- Skin care
- Care of Burn wounds

  - Bathing
  - Dressing
- Pre-operative and post-operative care of patient with burns
- Caring of skin graft and post cosmetic surgery
- Rehabilitation
- NEUROLOGY
- History taking, neurological Examination - Use of Glasgow coma scale
- Continuous monitoring the patients
- Preparation and assisting for various invasive and non-invasive diagnostic procedures
- Care of patient undergoing neurosurgery including rehabilitation
- IMMUNOLOGY
- History taking and Physical examination
- Immunological status assessment and interpretation of specific test (e.g. HIV)
- Care of patient with low immunity
- ONCOLOGY
- Competencies/Skills
- History taking & physical examination of cancer patients
- Screening for common cancers - TNM classification
- Preparation, assisting and after care patients undergoing diagnostic procedures
- Biopsies/FNAC
- Bone-marrow aspiration
- Preparation of patients and assisting with various modalities of treatment
- Chemotherapy
- Radiotherapy
- Hormonal therapy/ Immunotherapy
- Gene therapy/any other
- Care of patients treated with nuclear medicine
- Rehabilitation
- EMERGENCY
- Practicing "triage'
- Primary and secondary survey in emergency
- Examination, investigations & their interpretations, in emergency & disaster situations
- Emergency care of medical and traumatic injury patients
- Documentation, and assisting in legal procedures in emergency unit
- Managing crowd
- Counseling the patient and family in dealing with grieving & bereavement

- CRITICAL CARE
- Assessment of critically ill patients
- Assisting with arterial puncture
- Assisting with ET tube intubation & extubation
- Competencies/Skills
- ABG analysis and interpretation
- respiratory acidosis, respiratory alkalosis, metabolic acidosis, metabolic alkalosis
- Setting up of ventilator modes and settings and care of patient on ventilator
- Setting up of trolley with instruments
- Monitoring and maintenance of Chest drainage system
- Bag and mask ventilation
- Assisting with starting and maintenance of Central and peripheral lines invasive
- Setting up of infusion pump, and defibrillator
- Administration of drugs via infusion, intracardiac, intrathecal, epidural
- Monitoring and maintenance of pacemaker
- ICU care bundle
- Management of the dying patient in the ICU
- Geriatric
- History taking and Assessment of Geriatric patient
- Geriatric counseling
- Comprehensive Health assessment (adult) after module completion

Clinical requirements

- ENT
- ENT
- ENT assessment of an adult - 2
- i.
- ii.
- Observation and activity report of OPD
- Clinical presentation - 1
- Drug Book
- EYE
- Eye assessment
- Eye assessment
- i. Adult - 1
- ii Geriatric 1

- ii. Geriatric - 1
- Patient-teaching - 1
- Clinical Presentation- 1
- NEPHROLOGY & UROLOGY
- Assessment of adult - 1
- Assessment of Geriatric - 1
- Drug presentation - 1
- Care study/Clinical presentation - 1
- BURNS AND RECONSTRUCTIVE SURGERY
- Burn wound assessment - 1
- Clinical presentation - 1
- Observation report of Burns unit
- Observe cosmetic/reconstructive procedures
- NEUROLOGY
- Neuro-assessment -2
- i
- ii.
- Unconscious patient - 1
- Care study/case presentation - 1
- Drug presentation - 1
- IMMUNOLOGY
- Assessment of immune status
- Teaching of isolation to patient and family care givers
- Nutritional management
- Care Note - 1
- ONCOLOGY
- Observation report of cancer unit
- Assessment of each system cancer patients - 2
- Care study/clinical presentation - 1
- Pre and post-operative care of patient with various modes of cancer treatment such as chemotherapy, radiation therapy, surgery, BMT, etc. -3(at least)
- i.
- ii.
- ii.
- Teaching on BSE to family members
- EMERGENCY

- Primary assessment of adult- 1
- Immediate care (IV access establishment, assisting in intubation, suction, etc.)
- Use of emergency trolley
- CRITICAL CARE
- Assessment of critically ill
- i. Adult
- ii. Geriatric
- Care note/Clinical presentation - 1
- GERIATRIC
- Geriatric assessment - 1
- Care note/clinical presentation - 1
- Fall risk assessment 1
- Functional status assessment - 1
- Completion of Fundamentals of Prescribing module
- Completion of Palliative care module

Curriculum Update

- See the INC corrigendum for the Adult Health Nursing II clinical logbook updates on source pages 425 to 429.

Professionalism, Professional Values and Ethics including Bioethics

20 hours theory | 1 credit

Course description

This course is designed to help students to develop an understanding of professionalism and demonstrate professional behavior in their workplace with ethics and professional values. Further the students will be able to identify ethical issues in nursing practice and participate effectively in ethical decision making along with health team members.

Learning outcomes

- Describe profession and professionalism.
- Identify the challenges of professionalism.
- Maintain respectful communication and relationship with other health team members, patients and society.
- Demonstrate professional conduct.
- Describe various regulatory bodies and professional organizations related to nursing.
- Discuss the importance of professional values in patient care.
- Explain the professional values and demonstrate appropriate professional values in nursing practice.
- Demonstrate and reflect on the role and responsibilities in providing compassionate care in the healthcare setting.
- Demonstrate respect, human dignity and privacy and confidentiality to self, patients and their caregivers and other health team members.
- Advocate for patients' wellbeing, professional growth and advancing the profession.
- Identify ethical and bioethical concerns, issues and dilemmas in nursing and healthcare.
- Apply knowledge of ethics and bioethics in ethical decision making along with health team members.
- Protect and respect patient's rights.

Theory

Unit I

- PROFESSIONALISM
- Profession
- Definition of profession
- Criteria of a profession
- Nursing as a profession
- Professionalism
- Definition and characteristics of professionalism
- Concepts, attributes and indicators of professionalism

- Challenges of professionalism
  - Personal identity vs professional identity
  - Preservation of self-integrity: threat to integrity, Deceiving patient: withholding information and falsifying records
  - Communication & Relationship with team members: Respectful and open communication and relationship pertaining to relevant interests for ethical decision making
  - Relationship with patients and society
- Professional Conduct
- Following ethical principles
- Adhering to policies, rules and regulation of the institutions
- Professional etiquettes and behaviours
- Professional grooming: Uniform, Dress code
- Professional boundaries: Professional relationship with the patients, caregivers and team members
- Regulatory Bodies & Professional Organizations: Roles & Responsibilities
- Regulatory bodies: Indian Nursing Council, State Nursing Council
- Professional Organizations: Trained Nurses Association of India (TNAI), Student Nurses Association (SNA), Nurses League of Christian Medical Association of India, International Council of Nurses (ICN) and International Confederation of Midwives

Unit II

- PROFESSIONAL VALUES
- Values: Definition and characteristics of values
- Value clarification
- Personal and professional values
- Professional socialization: Integration of professional values with personal values
- Professional values in nursing
- Importance of professional values in nursing and health care
- Caring: definition, and process
- Compassion: Sympathy Vs empathy, Altruism
- Conscientiousness
- Dedication/devotion to work
- Respect for the person- Human dignity
- Privacy and confidentiality: Incidental disclosure
- Honesty and integrity: Truth telling
- Trust and credibility: Fidelity, Loyalty
- Advocacy: Advocacy for patients, work environment, nursing education and practice, and for advancing the profession

Unit III

- ETHICS & BIOETHICS
- Definitions: Ethics, Bioethics and Ethical Principles
- Beneficence
- Non-maleficence: Patient safety, protecting patient from harm, Reporting errors
- Justice: Treating each person as equal
- Care without discrimination, equitable access to care and safety of the public
- Autonomy: Respects patients' autonomy, Self-determination, Freedom of choice
- Ethical issues and ethical dilemma:
- Common ethical problems
- Conflict of interest
- Paternalism
- Deception
- Privacy and confidentiality
- Valid consent and refusal
- Allocation of scarce nursing resources
- Conflicts concerning new technologies
- Whistle-blowing
- Beginning of life issues
  - Abortion
  - Substance abuse
  - Fetal therapy
  - Selective deduction
  - Intrauterine treatment of fetal conditions
  - Mandated contraception
  - Fetal injury
  - Infertility treatment
- End of life issues
  - End of life
  - Euthanasia
  - Do Not Resuscitate (DNR)
- Issues related to psychiatric care
  - Non compliance
  - Restrain and seclusion
  - Refuse to take food
- Process of ethical decision making

- Assess the situation (collect information)
- Identify the ethical problem
- Identify the alternative decisions
- Choose the solution to the ethical decision
- Implement the decision
- Evaluate the decision
- Ethics committee: Roles and responsibilities
- Clinical decision making
- Research
- Code of Ethics
- International Council of Nurses (ICN)
- Indian Nursing Council
- Patients' Bill of Rights-17 patients' rights (MoH&FW, GoI)
- Right to emergency medical care
- Right to safety and quality care according to standards
- Right to preserve dignity
- Right to nondiscrimination
- Right to privacy and confidentiality
- Right to information
- Right to records and reports
- Right to informed consent
- Right to second opinion
- Right to patient education
- Right to choose alternative treatment options if available
- Right to choose source for obtaining medicines or tests
- Right to proper referral and transfer, which is free from perverse commercial influences
- Right to take discharge of patient or receive body of deceased from hospital
- Right to information on the rates to be charged by the hospital for each type of service provided and facilities available on a prominent display board and a brochure
- Right to protection for patients involved in clinical trials, biomedical and health research
- Right to be heard and seek redressal

Elective Modules

Elective Options

Complete one elective by the end of Semester IV. Each elective carries 1 credit and 20 hours.

- Human values
- Diabetes care
- Soft skills

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