

**STUDY & EVALUATION SCHEME  
OF  
BACHELOR OF SCIENCES  
IN  
NURSING  
(B.Sc. NURSING)**

**(B.Sc. NURSING - II YEAR/ IV SEMESTER)**



**[Applicable w.e.f. Academic Session 2021-22 till revised]**

**INTEGRAL UNIVERSITY,LUCKNOW  
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**(Syllabus approved by Board of Study, Faculty Board, Academic Council, Executive Council of the Integral University, Lucknow)**

# STUDY & EVALUATION SCHEME

## BACHELOR OF SCIENCES IN NURSING (B.Sc. NURSING)

(W.e.f. July 2021)

**II – Year**

**IV - Semester**

S.No.	Code No.	Name of the Subject	Periods			Credits	Evaluation Scheme				Subject Total
			L	T	P		Sessional		Exam		
							CT	TA	Total	ESE	
1.	NR206	Pharmacology and Pathology & Genetics (I&II)	3	1	0	4	15	10	25	75	100
2.	NR207	Adult Health Nursing - II	6	1	0	7	15	10	25	75	100
3.	NR208	Professionalism , Ethics and Professional Values	1	0	0	1	15	10	25	25	50
4.	NR209	Adult Health Nursing –II lab	0	0	2	1	30	20	50	50	100
5.	NR210	Clinical Posting	0	0	0	0	0	0	0	0	0
		<b>Total</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>75</b>	<b>50</b>	<b>125</b>	<b>225</b>	<b>350</b>

**L:** Lecture

**T:** Tutorials

**P:** Practical

**C:** Credit

**CT:** Class Test

**TA:** Teacher Assessment

**ESE:** End Semester Examination

**Sessional Total:** Class Test + Teacher Assessment

**Subject Total:** Sessional Total + End Semester Examination (ESE)

# PHARMACOLOGY AND PATHOLOGY & GENETICS -II – NR206

L T P

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**PLACEMENT:** IV SEMESTER

THEORY4 Credits (40 Hours)

**UNIT = I**

**(18hrs)**

**CONTENT:**

## **DRUGS USED IN DISORDERS OF EAR, NOSE, THROAT & EYE**

- Antihistaminics
- Topical applications for eye (Chloromphenicol), Gentamycin eye drops), ear (Soda Glycerine, Boric Spirit ear drop), Nose and Buccal cavity – chlorhexidine mouth wash
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

## **DRUGS USED ON URINARY SYSTEM**

- Pharmacology of commonly used drugs
  - Renin angiotensin system
  - Diuretics and antidiuretics
  - Drugs toxic to kidney
  - Urinary antiseptic
  - Treatment of UTI – acidifiers and alkalinizers
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

## **DRUGS ACTING ON NERVOUS SYSTEM**

- Basic & 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
- Anti psychotics
  - Mood stabilizers
- Antidepressants
- Anti anxiety drugs
- Antoconvulsants

- 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
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## **UNIT = II**

**(18 Hours)**

### **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, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

### **DRUGS USED FOR PREGNANT WOMEN DURING ANTENATAL, LABOUR AND POSTNATAL PERIOD**

- Tetanus prophylaxis
- Iron and Vitamin K supplementation
- Oxytocin, Misoprostol
- Ergometrine
- Methyl prostaglandin F<sub>2</sub>-alpha
- Magnesium sulphate
- Calcium gluconate

### **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 programme schedules)
- Anticancer drugs – Chemotherapeutic drugs commonly used
- Immuno-suppressants and immunostimulants

**UNIT = III**

**(24Hours)**

**INTRODUCTION TO DRUGS USED IN ALTERNATIVE SYSTEMS OF MEDICINE**

- Ayurveda, Homeopathy, Unani and Siddha etc.
- Drugs used for common ailments

**FUNDAMENTAL PRINCIPLES OF PRESCRIBING**

- Prescriptive role of nurse practitioners: introduction
- Legal & ethical issues related to prescribing
- Steps of prescribing
- Prescribing competencies

**UNIT = IV**

**(10Hours)**

**SPECIAL PATHOLOGY**

**PATHOLOGICAL CHANGES IN DISEASE CONDITIONS IN SELECTED SYSTEM**

**1. KIDNEY & URINARY TRACT**

- Glomerulonephritis
- Pyelonephritis
- Renal Calculi
- Cystitis
- Renal Cell Carcinoma
- Renal Failure ( Acute & Chronic)

**2. MALE GENITAL SYSTEM**

- Cryptorchidism
- Testicular Atrophy
- Prostatic Hyperplasia carcinoma Penis & Prostate

**3. FEMALE GENITAL SYSTEM**

- Carcinoma Cervix
- Carcinoma Endometrial
- Uterine Fibroids
- Vesicular Mole And Choriocarcinoma
- Ovarian Cyst And Tumors

**4. BREAST**

- Fibrocystic Changes
- Fibroadenoma

- Carcinoma Of The Breast

## 5. CENTRAL NERVOUS SYTEM

- Meningitis
- Encephalitis
- Stroke
- Tumors Of CNS

### CLINICAL PATHOLGY

- Examination of Body Cavity Fluids
  - Methods Of Collection & Examination Of CSF & other body cavity fluids ( sputum, wound, discharge) specimen for various clinical pathology , biochemistry & microbiology tests
- Analysis of specimen :
  - sperm count, motility & morphology 7 their importance in infertility
- Urine :
  - physical characteristics, analysis, culture & sensitivity
- Faeces:
  - characteristics
  - Stool examination: occult blood, ova, parasite & cyst reducing substances etc.
  - Methods & collections of urine & faeces for various tests

UNIT = V

(10Hours)

### INTRODUCTION

- Practice application of genetics in nursing
- Impact of genetic condition on families
- Review of cellular division: mitosis & meiosis
- Characteristics & structure of genes
- Chromosomes: sex determination
- Chromosomal aberrations
- Patterns of inheritance
- Mendelian theory of inheritance
- Multiple allots & blood groups
- Sex linked inheritance
- Mechanism of inheritance
- Errors in transmission (mutation)

## **MATERNAL, PRENATAL & GENETIC INFLUENCE ON DEVELOPMENT OF DEFECT & DISEASES**

- Condition affecting the mother: genetic & infections
- Consanguinity atopy
- Prenatal nutrition & food allergies
- Maternal age
- Maternal drug therapy
- Prenatal testing & diagnosis
- Effects of radiation, drugs & chemicals
- Infertility
- Spontaneous abortion
- Neural tube defects & role of folic acid lowering the risks
- Down syndrome (Trisomy 21)

## **GENETIC TESTING IN THE NEONATES & CHILDREN**

- Screening for
  - Congenital abnormalities
  - Development delay
  - Dysmorphism

## **GENETICS CONDITION OF ADOLESCENTS & ADULTS**

- Cancer genetics : familial cancer
- Unborn error metabolism
- Blood group alleles & hematological disorder
- Genetics haemochromatosis
- Huntington's disease
- Mental illness

## **SERVICES RELATED TO GENETICS**

- Genetic testing
- Gene therapy
- Genetic counseling
- Legal & ethical issues
- Role of nurse

## **RECOMMENDED BOOKS:.**

1. **Textbook Of Pharmacology, Joginder Singh Pathania, Rupendra Kumar Bhatrti, Cbs Publishres, 1<sup>st</sup> Edition**
2. **Pharmacology Fpr Nurses, Padmaja Uday Kumar, Jp Publication, 3<sup>rd</sup> Edition**
3. **Pharamacology For Nurses, Tara V Shanbhag, 2<sup>nd</sup> Edition, Elsevier Publication**

**MEDICAL SURGICAL NURSING – II**  
**ADULT HEALTH NURSING-II WITH INTEGRATED**  
**PATHOPHYSIOLOGY INCLUDING GERIATRIC NURSING**  
**(with Health Assessment Module) – NR207**

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**PLACEMENT : IV SEMESTERS**

THEORY – 140 hours (7 Credits)

Lab / Skill Lab – 40 hours (1 Credit)

CLINICAL – 480 hours (6 Credits)

**DESCRIPTOIN:** 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 & Surgical Conditions

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

1. Explain the etiology, Pathophysiology, manifestations, diagnostic studies, treatment and complications of 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 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 OUTLINE**

**UNIT = I**

**(39Hours)**

**CONTENT:**

### **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

### **NURSING MANAGEMENT OF PATIENT WITH DISORDERS OF EYE**

- Review of anatomy and physiology of the eye
- History, physical assessment and diagnostic assessment

#### **Eye Disorders**

- Refractive errors
- Eyelids – infection, deformities
- Conjunctiva – inflammation and infection bleeding
- Cornea – Inflammation and infection
- Lens – Cataracts
- Glaucoma
- Retinal detachment
- Blindness
- Eye banking, eye donation

### **NURSING MANAGEMENT OF PATIENT WITH KIDNEY AND URINARY PROBLEMS**

- Review of anatomy and physiology of the genitourinary system
- History, physical assessment and 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 = II**

**(32hrs)**

**CONTENT:**

### **NURSING MANAGEMENT OF DISORDERS OF MALE REPRODUCTIVE SYSTEM**

- Review of anatomy and physiology of the male reproductive system
- History, physical assessment, diagnostic tests
- Infection of testis, penis and adjacent structures – Phimosis, Epididymitis and Orchitis
- Sexual dysfunction, infertility, contraception
- Male breast disorders – gynecomastia, tumor, climacteric changes

### **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 & electrolytes 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

### **NURSING MANAGEMENT OF PATIENT WITH NEUROLOGICAL DISORDERS**

- Review of anatomy and physiology of the neurological system
- History, physical 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
- Cerebro-vascular disorders-CVA
- Cranial, spinal neuropathies – Bell's palsy, trigeminal neuralgia
- Peripheral Neuropathies
- Degenerative diseases – Alzheimer's disease, Parkinson's disease
- Guillain-Barre Syndrome, Myasthenia gravis & Multiple sclerosis
- Rehabilitation of patient with neurological deficit

**UNIT = III**

**(24Hours)**

**NURSING MANAGEMENT OF PATIENT WITH IMMUNOLOGICAL PROBLEMS**

- Review of Immune system
- Nursing assessment – History and physical assessment
- HIV & AIDS: Epidemiology, Transmission, Prevention of Transmission
- Role of Nurse, Counseling, Health education and home care consideration
- National AIDS Control Programme – NACO, various national and international agencies, infection control programme
- Rehabilitation

**NURSING MANAGEMENT OF PATIENT WITH ONCOLOGICAL CONDITIONS**

- Structure and characteristics of normal and cancer cells
- History, physical 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
- Palliative care
- Supportive care
- Hospice care

**UNIT =IV**

**(15Hours)**

**NURSING MANAGEMENT OF PATIENT IN EMERGENCY AND DISASTER SITUATION DISASTER NURSING**

- Concept and principle 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 =V**

**(30Hours)**

### **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 programmes for elderly, privileges, community programmes and health services
- Home and institutional care

### **NURSING MANAGEMENT OF PATIENTS IN CRITICAL CARE UNITS**

- Principles of critical care nursing
- Organization: Physical setup, policies, staffing norms
- Protocols, equipment and supplies
- Special equipment: ventilators, cardiac monitors, defibrillators, infusion pump, Resuscitation equipment
- 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

### **NURSING MANAGEMENT OF PATIENTS OCCUPATIONAL AND INDUSTRIAL DISORDERS**

- History, physical examination, diagnostic tests
- Occupational diseases and management
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#### **RECOMMENDED BOOKS:**

1. Brunner & Siddharth text book of MSN, 1<sup>st</sup> edition
2. MSN , 3<sup>rd</sup> edition, volume one, B.T. Basavathappa, JP publication

**PROFESSIONALISM, PROFESSIONAL VALUES & ETHICS**  
**INCLUDING, BIOETHICS – NR208**

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**PLACEMENT:** IV SEMESTERS

**THEORY:** 1 Credits (20 hrs)

**DESCRIPTION:** This course is designed to help the students to develop an understanding of professionalism & demonstrate professional behavior in their workplace with the ethics & 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.

**COMPETENCIES:**

On completion of the course, the students will be able to:

1. Describe profession & professionalism
2. Identify the challenges of professionalism
3. Maintain respectful communication & relationship with other health team members patient & society.
4. Demonstrate professional conduct
5. Describe various regulatory bodies & professional organizations related to nursing
6. Discuss the importance of professional values in patient care
7. Explain the professional values & demonstrate appropriate professional values in nursing practice
8. Demonstrate & reflect on the role & responsibilities in providing compassionate care in health care settings
9. Demonstrate respect, human dignity & privacy & confidentiality to self, patients & their caregivers & others health team members
10. Advocate for patients wellbeing, professional growth & advancing the profession..
11. Identify ethical & bioethical concern issue & dilemmas in nursing & health care
12. Apply knowledge of ethics & bioethics in ethical decision making along with health team members.
13. Protect and respect patient's right.

## **COURSE OUTLINE**

**UNIT = I**

**(5 Hours)**

### **PROFESSIONALISM**

#### **Profession**

- Definition of Profession
- Criteria of a Profession
- Nursing as a Profession

#### **Professionalism**

- Definition & characteristics of professionalism
- Concept, attributes & indicators of professionalism
- *Challenges of professionalism*
  - Personal identify vs. professional identity
  - Preservation of self integrity: threat to integrity, deceiving patient: withholding information & falsifying records
  - Communication & relationship pertaining to relevant interests for ethical decision making
  - Relationship with patient and society.

### **PROFESSIONAL CONDUCT**

- Following ethical principles
- Adhering to policies, rules & regulation of the institution
- Professional etiquettes & behaviors
- Professional grooming : uniform , dress code
- Professional boundaries: professional relationship with the patients, caregivers & team members.

### **Regulatory bodies & professional organization: role & responsibilities**

- Regulatory bodies: Indian nursing council, state nursing council
- Professional organizations: trained nurse association (TNAI), Student nurse association (SNA), NURSE league of Christian medical association of india, International council of nurse (ICN),international confederation of midwives.

## **UNIT = II**

**(5 Hours)**

### **PROFESSIONAL VALUES**

- Values: definition & characteristics of values
- Value clarification
- Personal & professional values
- Professional socialization : integration of professional values with personal values

### **PROFESSIONAL VALUES IN NURSING**

- Importance of professional values in nursing & health care
- Caring : definition & process
- Compassion: sympathy vs. empathy altruism
- Conscientiousness
- Dedication / devotion to work
- Respect for the person: human dignity
- Privacy & confidentiality: incidental disclosure
- Honesty & integrity : truth telling
- Trust & credibility : fidelity, loyalty
- Advocacy: advocacy for patients, work environment, nursing education & practice & for advancing the profession.

## **UNIT = III**

**(10Hours)**

### **ETHICS 7 BIOETHICS**

#### **Definition: ethics, bioethics & 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 & safety of the public
- Autonomy: respects patient's autonomy, self determinations, freedom of choice.

## **ETHICAL ISSUES & ETHICAL DILEMMA:**

### **Common ethical problems**

- Conflict of interest
- Paternalism
- Deception
- Privacy & confidentiality
- Valid consent and refusal
- Allocation of scarce nursing resources
- Conflicts concerning new technologies
- Whistle0 blowing
- Beginning of life issues-
- Abortion
- Substances of abuses
- Fetal therapy
- Selective deduction
- Intrauterine treatment of fetal condition
- 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 & seclusion
- Refuse to take food.

## **PROCESS OF ETHICAL DECISION MAKING**

- Assess the situations ( collect information)
- Identify the ethical problem
- Identify the alternative decision
- Choose the solution to the ethical decision
- Implement the decision
- Evaluate the decision

## **ETHICS COMMITTEE: ROLE & RESPONSIBILITIES:**

- Clinical decision making
- Research



## **CODE OF ETHICS**

- International council of nurse (ICN)
- Indian nursing council

## **PATIENT'S BILL OF RIGHTS- 17 PATIENTS'S RIGHTS (MoH&FW, GOI)**

- Rights to emergency medical care
- Right to safety & quality care according to standards
- Right to preserve dignity
- Right to nondiscrimination
- Right to privacy & confidentiality
- Right to information
- Rights to records & reports
- Right to informed consent
- Right to second opinion
- Right to patient education
- Right to choose alternative treatment option if available
- Right to choose source for obtaining medicines or tests
- Right to proper referral & transfer, this 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 & facilities available on a prominent display board and a brochure
- Right to protection for patients involved in clinical trials, biomedical & health research
- Right to be heard & seek redressal

## **RECOMMENDED BOOKS:.**

1. **Ethical Issues In Nursing, Professional Ethics, Dr. Geoffery, Rottedge Publication, 1<sup>st</sup> Edition**
2. **Professional & Ethical Issues in Nursing, Philip Burnard, Bailliere Tendall Publication, 3<sup>rd</sup> Edition**
3. **Professional Ethics In Nursing, Joy beebe, Thompson, JP publication, 1<sup>st</sup> edition**
4. **Nursing Ethics Across The Curriculum & Practice, Rashmi Ahiya, Anmol Publication, 1<sup>st</sup> Edition**

## **ADULT HEALTH NURSING-II WITH INTEGRATED PATHOPHYSIOLOGY INCLUDING GERIATRIC NURSING-LAB- NR209**

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**Placement:** IV Semester

**Lab:** 1 Credits (40 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 system and in emergency / disaster conditions

The students will be competent to

1. Utilize the nursing process in providing care of the sick adult 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
2. Provide comfort and safety to adult patients in the hospital
3. Maintain safe environment for patients during hospitalization
4. Explain nursing actions appropriately to the patients and family members
5. Ensure patient safety while providing nursing procedures
6. Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients
7. Provide pre, intra and post operative care to patients undergoing surgery
8. Integrate knowledge of pathology, nutrition and pharmacology for patients experiencing selected medical and surgical disorders
9. Integrate evidence based information while giving nursing care to patients

Demonstrate the awareness of legal and ethical issues in nursing practice

**SUBJECT NAME: CLINICAL POSTING**  
**SUBJECT CODE: NR210**

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**PLACEMENT: III SEMESTER**

**Clinical –480 Hours (6 Credits)**

20 Weeks x 24 hrs

**I. NURSING MANAGEMENT OF PATIENTS WITH ENT DISORDERS**

**Use of Manikins and Simulators**

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

**A. Clinical Postings**

**CLINICAL AREA UNIT: ENT WARD & OPD**

**DURATION IN WEEKS: 2**

**PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- 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 drops / medication

**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**

**CLINICAL AREA UNIT: OPHTHALMOLOGY UNIT**

**DURATION IN WEEKS: 2**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- History taking, examination of eye and interpretation
- Assisting procedures
  - Visual acuity
  - Fundoscopy, retinoscopy, ophthalmoscopy, tonometry
  - Refraction tests
- Pre and post operative care
- Instilling 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**

**CLINICAL AREA UNIT: RENAL WARD / NEPHROLOGY WARD INCLUDING DIALYSIS**

**DURATION IN WEEKS: 2**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- 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, gonorrhoea test, renal / prostate biopsy etc
- Catheterization care
- Bladder irrigation
- I/O recording and monitoring
- Ambulation and exercise

#### **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**

**CLINICAL AREA UNIT: BURNS UNIT / RECONSTRUCTIVE SURGICAL UNIT**

**DURATION IN WEEKS: 2**

##### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- 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

#### **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**

**CLINICAL AREA UNIT: NEUROLOGY – MEDICAL / SURGERY WARDS**

**DURATION IN WEEKS: 3**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- 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

## **VI. NURSING MANAGEMENT OF PATIENTS WITH IMMUNOLOGICAL DISORDERS**

### **A. Skill Lab**

- Barrier Nursing
- Reverse Barrier Nursing

## **B. Clinical Postings**

**CLINICAL AREA UNIT: ISOLATION WARD / MEDICAL WARD**

**DURATION IN WEEK: 1**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- History taking
- Immunological status assessments (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

## **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**

**CLINICAL AREA UNIT: ONCOLOGY WARDS (INCLUDING DAY CARE RADIOTHERAPY UNIT)**

**DURATION IN WEEKS: 3**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- History taking & physical examination of cancer patients
- Screening for common cancer – TNM classification
- Preparing, 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

## **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**

**CLINICAL AREA UNIT: EMERGENCY ROOM**

**DURATION IN WEEKS: 2**

### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- Practicing 'triage'
- Primary and secondary survey in emergency

- Examination, investigation & 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

## **IX. NURSING MANAGEMENT OF PATIENTS IN CRITICAL CARE UNIT**

### **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**

#### **CLINICAL AREA UNIT: CRITICAL CARE UNIT**

**DURATION IN WEEKS: 2**

#### **PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- 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, intracardiac, intrathecal, epidural
- Monitoring pacemaker
- ICU care bundle
- Management of the dying patient in the ICU

## **X. NURSING MANAGEMENT OF PATIENTS WITH GERIATRIC ILLNESS**

### **A. Skill Lab**



## **Use of Manikins and Simulators**

- Use of assistive safety devices

## **B. Clinical Postings**

**CLINICAL AREA UNIT: GERIATRIC WARD**

**DURATION IN WEEK: 1**

**PROCEDURAL COMPETENCIES/CLINICAL SKILLS:**

- History taking and assessment of Geriatric patients

