

B Sc (POST BASIC) NURSING

NURSING FOUNDATION

Placement: 1st Year

Time: 45 Hours

COURSE DESCRIPTION

This course will help students develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession.

OBJECTIVES

At the end of the course, the student will

1. Identify professional aspects of nursing
2. Explain theories of nursing
3. Identify ethical aspects of nursing profession
4. Utilize steps of nursing process
5. Identify the role of the nurse in various levels of health services.
6. Appreciate the significance of quality assurance in nursing
7. Explain current trends in health and nursing.

COURSE CONTENTS

Unit I

Development of nursing as a profession, its philosophy, objectives and responsibilities of a graduate nurse. Trends influencing nursing practice. Expanded role of the nurse. Development of nursing education

in India and trends in nursing education. Professional organizations, career planning.

Unit II

Ethical, legal and other issues in nursing. Concepts of health and illness, effects of the person, stress and adaptation.

Health care concept and nursing care concept. Developmental concept, needs, roles and problems of the developmental stages of individual-newborn, infant, toddler, pre-adolescent, adolescent, adulthood, middle-age, old age.

Unit III

Theory of Nursing practice. Met paradigm of nursing-characterized by four central concepts i.e. nurse, person (Client/patient), health and environment.

Unit IV

Nursing process **Assessment:** Tools for assessment, methods & recording.

Planning: Techniques for planing care, types of care plans.

Implementation: Different approaches to care, organizations and implementation of care & recording.

Evaluation: Tools for evaluation, process of evaluation

Unit V

Quality assurance: nursing standards, nursing audit, total quality management, role of council and professional bodies in maintenance of standards

Unit VI

Concepts of Primary health care, community-oriented nursing, holistic nursing, primary nursing, family oriented nursing, problem oriented nursing, progressive patient care and team nursing.

NUTRITION AND DIETETICS

Placement: 1st Year

**Time: Theory-30 hours
Practical-15 hours**

COURSE DESCRIPTION

This course is designed to provide the students with a wide knowledge of dietetics in Indian setting, that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

OBJECTIVES

At the end of the course, the student will

1. Explain the principles and practices of nutrition and dietetics.

2. Plan therapeutic diets in different settings.
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules

COURSE CONTENTS

Unit I

- Introduction to nutrition and dietetics.
- Balanced diet, factors on which it depends. Factors to be considered in planning. Guides available for planning. Food hygiene, preparation and preservation.
- Review of nutrients- micro & macro.
- Physiology and biochemistry of digestion, constituents of foods
- Factors affecting selection of foods-income, family size, age, occupation, culture, religion in nutrition and food selection

Unit II

Introduction to diet therapy. Routine hospital diets. Therapeutic diet under each unit i.e. Cardiovascular diseases, gastrointestinal diseases, renal disorders, endocrine and metabolic disorders, allergy, infections and fevers, pre- and post-operatives stage. Deficiency diseases and malnutrition: Overweight and underweight.

- Alcohol, food toxins, adulterants and food poisoning
- Feeding of comatose patients
- Special feeds

Unit III

Infant and child Nutrition

- Feeding of normal infants: factors to be considered in planning. Nutritional requirements.
- Feeding of premature infants: factors to be considered in planning, nutritional requirement
- Supplementary feeding of infants: Advantage and method of introduction, weaning & effects on mother and child
- Psychology of infant and child feeding. Feeding the sick child. Diet in diseases of infancy and childhood.
- Deficiency states-malnutrition and under nutrition.
- Feeding pre-school child: nutritional needs, factors to be considered in planning diets.
- Problems in feeding
- School lunch programme: Advantages. Need in India.

Unit IV

Community Nutrition: Need for community nutrition programme

- Nutritional needs for special groups: infant, child, adolescent, pregnant woman, lactating mother and old people.
- Substitutes for non- vegetarian foods. Selection of cheap and nutritious foods. Nutrition education- needs and methods.
- Methods of assessing nutritional status of individual/group/community – Anthropometric assessments
- Current nutritional problems and national programmes.

PRACTICAL

1. Methods of cooking and cookery rules.
 1. Simple preparation of beverages, soups, cereals, pulses, eggs, vegetables & meat.
 2. Menu plans.
2. Preparation of supplementary foods for infants.
 1. Foods for toddlers.
 2. Low cost nutritious dishes for vulnerable groups.
 3. Dietary case study of patient on special diet and planning of low cost dietary instructions for home adaptations
 4. Planning of therapeutic diets.

BIOCHEMISTRY & BIOPHYSICS

Placement: 1st year

Time: Theory 30+30 Hours

COURSE DESCRIPTION

This course introduces the basic principles of Biochemistry and Biophysics related to Nursing.

OBJECTIVES

At the end of the course, the student will

1. Identify the basic principles of Biochemistry and Biophysics.
2. Synthesize the knowledge of these principles in various Nursing situations.

COURSE CONTENT

SECTION A: BIOCHEMISTRY

Time: 30 Hours

Unit I

Introduction: Importance of Biochemistry in Nursing. Study of Cell and its various components.

Unit II

Water and Electrolytes: Water-Sources, property & functions in human body. Water and fluid balance. Electrolytes of human body, functions, sources.

Unit III

- Enzymes: Mechanism of action. Factors affecting enzyme activity.
- Diagnostic applications, precautions for handling specimens for enzyme estimation
- Digestion and absorption of carbohydrates, protein and fats.
- Various factors influencing the digestion and absorption, mal-absorption syndrome

Unit IV

Carbohydrates: Catabolism of carbohydrates for energy purposes TCA cycle. Mitochondrial oxidation and oxidation phosphorylation and electron transport chain. Fates of glucose in the body. Glycogenesis, glycogenolysis and neoglucogenesis. Blood glucose and its regulation. Glucose tolerance test, hyperglycemia and hypoglycemia and glycemia. Metabolism of fructose and galactose. Genetic disorders of carbohydrate metabolism

Unit V

- Protein: Amino acids, hormones.
- Essential amino acids. Biosynthesis of protein in the cells
- Role of nucleic acid in protein synthesis,
- Nitrogenous constituents of Urine, Blood, their origin-urea cycle, uric acid formation, Gout.
- Plasma proteins and their functions.
- Genetic disorders of protein and amino acid metabolism
- pH of blood and its regulation. Role of buffers-lungs and kidneys
- Liver function tests, their biochemical principles
- Hormones of thyroid gland their function and regulation
- Hormones of adrenal medulla and cortex and their relevance

Unit VI

Fat: Biosynthesis of fats and storage of fats in the body

- Role of liver in fat metabolism
- Biological importance of important lipids and their functions
- Cholesterol and lipoprotein: sources, occurrence and distribution, blood level and metabolism-Ketone bodies and utilization. Inter-relationships in metabolism and cellular control of metabolic processes.

Unit VII

- Metabolism of calcium and phosphorous. calcium homeostasis
- Radioisotopes: their use in diagnosis and therapy

B: BIOPHYSICS

Time: 30 hours

Unit I

- Introduction: Concepts of unit and measurements. Fundamental and derived units. Units of length, weight, mass, time.
- Matter: properties of solids, liquids and gases
- Measurement of length, area, volume, mass and density- application in nursing

Unit II

- Vector and Scalar Motion, Speed, velocity and acceleration.
- Qualities.

Unit III

Gravity: Specific gravity, centre of gravity, principles of gravity. Effect of gravitational forces on human body. Application of principles of gravity in nursing.

Unit IV

Force, Work, Energy: Their unit of measurements. Type and transformation of energy, forces of the body, static forces. Principles of machines, friction and body mechanics. Simple machine-lever and body mechanic, pulley and traction, incline plane, screw. Application of these principles in Nursing.

Unit V

Heat: Nature, measurement, transfer of heat. Effects of heat on matter. Relative humidity, specific heat. Temperature scales. Regulations of body temperature. Use of heat for sterilization. Application of these principles in Nursing.

Unit VI

Light: Laws of reflection. Focussing elements of the eye, defective vision and its correction, use of

lenses. Relationship between energy, frequency and wave length of light. Biological effects of light. Use of light in therapy. Application of these principles in nursing.

Unit VII

Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure, Measurement of pressures in the body. Arterial and venous blood pressures, ocular pressure, intracranial pressure, application of these.

Density, fluid pressure, principles of Archimedes, floating bodies, hydrometers, surface tension, capillary viscosity, diffusion and osmosis.

Unit VIII

Sound: Frequency, velocity and intensity. Nature of transmission of sound, music and noise. Vocalisation and hearing. Use of ultrasound. Noise pollution and its prevention, application of these principles in Nursing. Hearing aids, stethoscope, tuning fork

Unit IX

- Electricity and Electromagnetism: Nature of Electricity. Voltage, Current, Resistance and their Units
- Flow of electricity in Solids, Electrolytes, Gases and Vacuum
- ECG, EEG, EMG, ECT
- Pace maker and defibrillation
- Magnetism and electricity
- M.R.I. Scanning, CAT SCAN

Unit X

- Atomic Energy
- Structure of Atom
- Isotopes and Isobars
- Radioactivity
- Use of radioactive isotopes. Radiation protection units and limits. Instruments used for detection of ionising radiation X-ray
- Radioactive forms of elements used in medicine, X-ray and radiotherapy unit and radium ward

Unit XI

- Principles of Electronics
- Common electronic equipment used in patient care

PRACTICAL

Note: Experiments and Tests should be demonstrated wherever applicable

PSYCHOLOGY

Placement: First year

Time: Theory-60 hours
Practical-15 hours

COURSE DESCRIPTION

This course is designed to reorient and widen the students' knowledge of fundamentals of psychology. The student is offered an opportunity to apply the theoretical concepts in the clinical setting and thereby understand the psychodynamics of patient behaviour. This course would also help the students to develop an insight into their own behaviour.

OBJECTIVES

At the end of the course, the student will

1. Apply psychological principles while performing nursing duties.
2. Distinguish the psychological processes during health and sickness
3. Analyze own behaviour patterns.
4. Tabulate the psychological needs of the patients for planning nursing care.
5. Participate in psychometric assessment of the client.

COURSE CONTENT

Unit I

- Introduction: Definition of psychology, Scope and Methods of psychology.
- Relationship with other subjects.

Unit II

- Sensation, attention and perception: Definitions.
- Sensory processes: Normal and abnormal
- Attention and distraction: Contributory factors.
- Characteristics of perception: Normal and abnormal

Unit III

- Motivation
- Definition and nature of motivation
- Biological and social motives
- Frustration and conflicts
- Self-actualization

Unit IV

- Emotion
- Definition of emotions
- Expression and perception
- Self-actualization

Unit V

- Personality
- Definition
- Constituents of personality
- Personalities, sickness and nursing

Unit VI

- Psychological aspects of Nursing
- Behaviour and sickness
- Psychological needs of
 - (a) Child and adolescents
 - (b) Adult
 - (c) Aged
 - (d) Attendants
 - (e) Chronically ill individual

Unit VII

- Individual differences
- Significance of individual differences
- Heredity and environment
- Role of individual differences both in health and sickness
- Implications of individual differences in nursing

Unit VIII

- Intelligence and Abilities: Definitions
- Intelligence and abilities during sickness. Measurement of intelligence and abilities.

UNIT IX

- Learning: Definition
- Conditions of learning

- Laws of learning
- Learning during health and sickness

Unit X

- Memory and forgetting
- Definition and nature of memory
Memory during health and sickness
- Forgetting during health and sickness

Unit XI

- Attitudes
- Definition
- Development and modification
- Role of attitudes in health and sickness

Unit XII

- Thinking
- Tools of thinking
- Problem solving
- Logical and illogical thinking

Unit XIII

- Concept of mental hygiene & mental health
- Characteristics of a mentally healthy person
- Defence mechanisms
- Inter personal relations- nature and functions
- Psychological reaction to illness
- Community mental health programmes.

PRACTICAL

- (a) Simple experiments in (i) perception (ii) measuring thresholds (iii) reaction time.
- (b) Administration of psychological tests
- (c) Observation and recording data: (i) field observation (ii) interview (iii) case study (iv) Self-rating.

MICROBIOLOGY

Placement: First year

Time: Theory-30 hours
Practical-30 hours

COURSE DESCRIPTION

This course reorients the students to the fundamentals of microbiology and its various sub-divisions. It provides opportunities to gain skill in handling and use of microscope for identifying various micro-organisms. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying micro-organisms.

OBJECTIVES

At the end of course, the student will

1. Identify common disease producing micro-organisms.
2. Explain the basic principles of microbiology and their significance in health and disease.
3. Demonstrate skill in handling specimens.
4. Explain various methods of disinfection and sterilization.
5. Identify the role of the nurse in hospital and infection control system.

COURSE CONTENTS

UNIT I

- Introduction to microbiology
- Structure and Classification of Microbes
- Morphological types
- Size and form of bacteria
- Motility
- Classification of Micro-organisms

Unit II

- Identification of micro-organisms
- Discussion of laboratory methods
- Diagnosis of bacterial diseases

Unit III

- Growth and Nutrition of Microbes
- Temperature

SCHEME OF EXAMINATION

First year

Paper	Subject	Duration Hours	Internal Assessment	Final Exam	Total Marks
1.	Nursing Foundation	2	25	25	50
2.	Nutrition & Dietetics	2	25	25	50
3.	Biochemistry & Biophysics	3	50	50	100
4.	Psychology	3	50	50	100
5.	Microbiology	3	50	50	100
6.	Maternal Nursing	3	50	50	100
7.	Child Health Nursing	3	50	50	100
8.	Medical Surgical Nursing	3	50	50	100
9.	English (Qualifying)*	3	25	75	100
Practicals					
1.	Medical Surgical Nursing		50	50	100
2.	Maternal Nursing		50	50	100
3.	Child Health Nursing		50	50	100
Total					1100

Second year

Paper	Subject	Duration Hours	Internal Assessment	Final Exam	Total Marks
1.	Sociology	3	50	50	100
2.	Community Health Nursing	3	50	50	100
3.	Mental Health Nursing	3	50	50	100
4.	Introduction to Nursing Education	3	50	50	100
5.	Introduction to Nursing Administration	3	50	50	100
6.	Introduction to Nursing Research & Statistics**	2	50	-	50
Practicals					
1.	Community Health Nursing		50	50	100
2.	Mental Health Nursing		50	50	100
3.	Research Project**		50		50
Total					800

Note: * Qualifying Exam

** College Exam. (No university exam)

- Moisture
- Blood

Unit IV

- Destruction of Micro-organisms
- Sterilization and disinfection
- Chemotherapy and antibiotics
- Effects of heat and cold
- Hospital Infection control procedure & role of nurses.
- Universal precautions
- Disposal of hospital waste
- Antimicrobials

Unit V

- Disease producing micro-organisms
- Gram positive bacilli
- Tuberculosis and Leprosy
- Anaerobes
- Cocci
- Spirochaete
- Rickettsiae
- STD & UTI

Unit VI

- Pathogenic Fungi
- Dermatophytes
- Systemic Mycotic infection
- Laboratory diagnosis of mycotic infection

Unit VII

- Immunity
- Immunity and hypersensitivity- Skin test
- Antigen and antibody reaction
- Immunization in disease

- Pathogenesis of infectious diseases

Unit VIII

- Parasites & vectors
- Characteristics and classification of parasites
- Protozoal infection including amoebiasis
- Helminthes infection
- Diagnosis of parasitic infection
- Vectors and disease transmitted by them.

Unit IX

- Viruses
- Classification and general character of viruses
- Diseases caused by viruses in man and animal and their control.

Unit X

- Micro-organisms transmitted through Food
- Food - poisoning. Food borne infections
- Water borne diseases
- Air borne diseases

PRACTICAL

- Laboratory practical:
- Use and care of microscope
- Common examination: Smear, Blood, Moulds, Yeasts
- Staining techniques-gram staining, acid fast staining, hanging drop preparation.
- Preparation of Media and culture techniques
- Collection, handling and transportation of various specimens
- Identification and study of the following bacteria: Strepto-Cocci, Pneumococci, Staphylococci, Corynebacteria, Spirochetes and gonococci, Enteric bacteria,
- Identification of Parasites and Vectors
- While giving nursing care in the wards students will practice collection and processing of specimens, prevention and control of hospital infections, sterilization, immunization, chemotherapy and maintenance of personal and environmental hygiene.
- Observation visit to incinerator, posting in CSSD and infection control department.

MATERNAL NURSING

Placement: First year

Time: Theory-60 hours
Practical-240 hours

COURSE DESCRIPTION

This course is designed to widen the students' knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and develop skill in rendering optimum nursing care to a child-bearing mother in a hospital or community and help in the management of common gynaecological problems.

OBJECTIVES

At the end of the course, the student will

1. Describe the physiology of pregnancy, labour and puerperium.
2. Manage normal pregnancy, labour and puerperium.
3. Explain the physiology of lactation and advice on management of breast-feeding.
4. Be skilled in providing pre- and post-operative nursing care in obstetric conditions.
5. Identify and manage high-risk pregnancy including appropriate referrals.
6. Propagate the concept and motivate acceptance of family planning methods.
7. Teach, guide and supervise auxiliary midwifery personnel.

COURSE CONTENT

Unit I

- Introduction and historical review
- Planned parenthood
- Maternal morbidity and mortality rates
- Legislations related to maternity benefits, MTP Acts, incentives for family planning etc.

Unit II

Review of the anatomy and physiology of female reproductive system

- Female pelvis (normal and contracted)
- Review of fetal development.

Unit III

Physiology and management of pregnancy, labour and puerperium

- Signs and symptoms and diagnosis of pregnancy

- Antenatal care
- Pregnant women with HIV/AIDS
- Management of Common Gynaecological problems
- Fetal well being monitoring
- Common diagnostic procedures in obstetrics

Unit IV

The new born baby

- Care of the baby at birth
- The normal baby
- Feeding
- Jaundice and infection
- Small & Large for date babies
- Intensive care of the new born
- Trauma and haemorrhage

Unit V

Management of Abnormal pregnancy, Labour and puerperium

- Abortion, ectopic pregnancy and vesicular mole.
- Pregnancy induced hypertension, gestational diabetes, anaemia, heart disease.
- Urinary infections, A.P.H.
- Abnormal labour (malposition & malpresentation)
- Uterine inertia
- Disorders of puerperium
- Management of engorged breast, cracked nipples, breast abscess and mastitis
- Puerperal sepsis
- Post-partum haemorrhage
- Inversion and prolapse of uterus, obstetrical emergencies
- Obstetrical operation i.e. forceps, vacuum, episiotomy, caesarean section
- Rh isoimmunization.

Unit VI

Drugs in obstetrics

- Effects of drugs during pregnancy, labour and puerperium on mother & baby.

Unit VII

- National Welfare Programmes for women
- National Family Welfare Programme
- Infertile family
- Problems associated with unwanted pregnancy
- Unwed mothers
- Adoption
- Ethical and legal issues in obstetric nursing
- Quality assurance in obstetrical nursing

PRACTICAL

The student will

1. Be posted in antenatal Clinic, MCH clinic, antenatal ward, labor room, post-natal ward, maternity OT, MTP room.
 - Visit welfare agencies for women and write observation report.
 - Follow nursing process in providing care to 3-6 patients
 - Write at least two nursing care studies and do a presentation
 - Give at least one planned health teaching to a group of mothers.
2. Practical following nursing procedures
 - Antenatal & post natal examination, per vaginal exam
 - Conduct normal delivery, stitching of episiotomy. (For male candidates minimum conduct of 5 deliveries)
 - Motivation of family for adopting family planning methods.
 - Motivate family for planned- parenthood.
 - Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

CHILD HEALTH NURSING

Placement: First year

Time: Theory-60 hours
Practical-240 hours

COURSE DESCRIPTION

This course is aimed at developing an understanding of the modern approach to child care, the common

health problems of children and neonates in health and sickness.

OBJECTIVES

At the end of the course, the students will:

1. Explain the modern concept of child care and the principles of child health nursing.
2. Describe the normal growth and development of children at different ages.
3. Manage sick as well as healthy neonates and children.
4. Identify various aspects of preventive pediatric nursing and apply them in providing nursing care to children in hospital and community.

COURSE CONTENTS

Unit I

Introduction

- Modern concept of child- care
- Internationally accepted rights of the child
- National policy and legislations in relation to child health and welfare
- National and international agencies related to child health
- Changing trends in hospital care, preventive, promotive and curative aspects of child health.
- Child morbidity and mortality rates
- Differences between an adult and child
- Hospital environment for a sick child, effect of hospitalization on child and families
- The role of a pediatric nurse in caring for a hospitalized child
- Principles of pre- and post- operative care of infants and children
- Paediatric nursing procedures

Unit II

The healthy child

- Growth and development from birth to adolescence
- The needs of normal children through the stages of developmental and parental guidance.
- Nutritional needs of children and infants: breast-feeding, supplementary/artificial feeding and weaning. Baby friendly hospital concept
- Accidents, causes and prevention
- Value of play and selection of play material

- Preventive immunization.

Unit III

Nursing care of a neonate

- Nursing care of a normal newborn
- Neonatal resuscitation
- Nursing management of a low birth weight baby
- Nursing management of common neonatal disorders
- Organization of neonatal unit
- Prevention of infections in the nursing.

Unit IV

Nursing management in common childhood diseases

- Nutritional deficiency disorders.
- Respiratory disorders and infections
- Gastrointestinal infections, infestations and congenital disorders.
- Cardio-vascular problem-congenital defects and rheumatic fever.
- Genito-urinary disorder-Nephrotic syndrome, Wilms' tumor, infection and congenital disorders.
- Neurological infections and disorders-convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida
- Haematological disorders – Anaemias, thalassemia, ITP, Leukemia, hemophilia.
- Endocrine disorders – Juvenile Diabetes Mellitus.
- Orthopaedic disorders – club- feet, hip dislocation and fracture.
- Disorders of skin, eye and ears.
- Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. Nursing management of infant and child with HIV infection
- Pediatric emergencies – poisoning, foreign bodies, haemorrhage, burns and drowning, common congenital malformations needing immediate surgery.

Unit V

- Management of behavior disorders in children.
- Management of challenged children.
- Mentally challenged
- Physically challenged

- Socially challenged

PRACTICAL

The student will

- Be posted in Pediatric Medical and Surgical ward, OPD in hospital and health centre and neonatal unit.
- Visit a centre for handicapped children and child welfare centre and write observation report.
- Write an observation study of normal children of various age groups in home/nursery school/ creche.
- Follow nursing process in providing care to 3-6 children.
- Write at least two nursing care studies and do a presentation
- Give two planned health teachings, one in hospital and one in OPD/health centre.
- Practice the following nursing procedures:
- Taking pediatric history
- Physical assessment of children
- Baby bath
- Feeding
- Restraining
- Calculation of dosage of drugs and fluids and administration of medications and injections
- Preparation of fluids and infusions
- ORS preparation
- Collection of specimens
- Enema, bowel wash, colostomy irrigation
- Steam and oxygen
- Preparation to assist with diagnostic test and operations
- Examination/assessment of a newborn
- Neonatal resuscitation
- Care of a baby in incubator, on ventilator and under overhead warmer
- Phototherapy
- Assist in exchange transfusion and other therapeutic procedures
- TPN

MEDICAL-SURGICAL NURSING

Placement: First year

Time: Theory-120 hours

Practical-270 hours

COURSE DESCRIPTION

The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant anatomy and physiology, pathophysiology in medical-surgical disorders and the nursing management of these conditions.

OBJECTIVES

At the end of the course, the student will

- Explain relevant Anatomy and Physiology of various systems of the body.
- Explain patho-physiology of various disorders.
- Explain the actions, side effects and nursing implications in administering drugs for various disorders.
- Discuss the recent advancement in the treatment and care of patients with medical surgical conditions.
- Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
- Assist the patients and his family in identifying and meeting their own health needs.
- Appreciate the role of the nurse in the medical surgical health team.

COURSE CONTENTS

Unit I

Introduction to medical surgical nursing

- Review of concepts of comprehensive nursing care in medical surgical conditions.
- Nurse, patient and his family.
- Functions of nurse in the outpatient department.
- Intensive care unit.

Unit II

Nursing management of patient with specific problems.

- Fluid and electrolyte imbalance
- Dyspnea and cough, respiratory obstruction
- Fever
- Shock
- Unconsciousness

- Pain
- Acute illness
- Chronic illness
- Terminal illness
- Age related illness
- Patient undergoing surgery, Incontinence

Unit III

Nursing management of patient with neurological and neuro-surgical conditions.

- Review of Anatomy and Physiology of the nervous system.
- Cardinal features of neuro and neurosurgical disorders
- Neurological assessment and Glasgow coma scale
- Pathophysiology, diagnostic, procedures and management of:
 - Cerebra -Vascular accident. Cranial, spinal and peripheral neuropathies.
 - Head-ache and intractable pain. Epilepsy. Infectious and inflammatory diseases and trauma of the nervous system- head injuries, spinal injuries. Common disorders of the system. Recent advances in diagnostic and treatment modalities. Drugs used in these disorders. Tumors of brain & Spinal cord, congenital malformations, degenerative diseases.
- Rehabilitation of neuro patients with various disabilities
- Brain death and organ transplantation

Unit IV

Nursing management of patient with cardiovascular problems

- Review of relevant anatomy and physiology of CVS
- Pathophysiology, diagnostic procedures and management of Ischemic Heart diseases. Cardiac arrhythmias. Congestive heart failure. Rheumatic and other valvular heart diseases. Endocarditis, Cardiomyopathies, congenital heart diseases, hypertension, heart block, cardiac emergencies: cardiac arrest, acute pulmonary, oedema, cardiac tamponade, cardiogenic shock, Aneurysms and peripheral vascular disorders, recent advancement in Cardiology. Rehabilitation in cardiac preinmakers

Unit V

Nursing management of patient with respiratory problems.

- Review of anatomy and physiology of Respiratory System.
- Pathophysiology, diagnostic procedures and management of upper respiratory tract infections.
- Bronchitis

- Asthma
- Emphysema, Empyema, Atelectasis, COPD
- Bronchiectasis
- Pneumonia
- Pulmonary tuberculosis
- Lung abscess
- Pleural effusion
- Tumors and Cysts
- Chest injuries
- Respiratory arrest and insufficiency
- Pulmonary embolism
- Drugs used in the management of these patients
- Special respiratory therapies.

Unit VI

Nursing management of patient with genito- urinary problems.

- Review of anatomy and physiology of the genito – urinary system
- Nephritis
- Renal Calculus
- Acute renal failure
- Chronic renal failure
- End stage renal disease
- Special procedures. dialysis, renal transplant
- Drugs used in management of these patients
- Congenital disorders, urinary infections
- Benign Prostate Hypertrophy.
- Cancer of bladder and associated structures

Unit VII

Nursing management of patients with problems of the Digestive systems.

- Review of anatomy and physiology of gastro-intestinal system and Accessory organs.
- Pathophysiology, diagnostic procedures and management of G.I. Bleeding
- Peptic ulcer

- Infections
- Acute abdomen
- Colitis, diarrhoea, dysentery & mal-absorption syndrome.
- Cholecystitis
- Hepatitis, hepatic coma and cirrhosis of liver
- Portal hypertension
- Pancreatitis
- Tumors, hernias, fistulas, fissures, haemorrhoids.
- Drugs used in the management of these patients.

Unit VIII

Nursing management of patient with endocrine problems

- Review of anatomy and physiology and pathophysiology of patients with
- Thyroid disorders
- Diabetes mellitus
- Diabetes insipidus
- Adrenal tumor
- Pituitary disorders
- Diagnostic procedures
- Nursing management of patient with these problems.
- Drugs used in endocrine problems.

Unit IX

Nursing management of patient with musculo-skeletal problems

- Review of anatomy and physiology and pathophysiology
- Arthritis, osteomyelitis, bursitis,
- Fractures, dislocation and trauma
- Prolapsed disc
- Osteomalacia and osteoporosis
- Tumor
- Amputation
- Diagnostic procedures
- Nursing management of patient with these problems

- Prosthesis and rehabilitation
- Transplant & replacement surgeries.

Unit X

Nursing management of patients with disorders of female reproductive tract

- Disorder of menstruation
- Infections of the genital tract
- Benign and malignant tumors of the genital tract
- R.V.F., V.V.F.
- Menopausal problems and their management
- Climacteric changes and associated problems.

Unit XI

Nursing management of patients with Oncological disorders.

- Types of neoplasms and related pathophysiology.
- Diagnostic procedures
- Modalities of treatment and nurse's role.
- Special therapies- chemotherapy and radiotherapy
- Preventive measures, other therapies.

Unit XII

- Nursing management of patient with burns.
- Nursing management of patient with reconstructive surgeries.

Unit XIII

- Nursing management of patients with common communicable diseases & STDS
- Nursing management of patients with immunological disorders including HIV/AIDS

Unit XIV

- Nursing management of patients with diseases of eye, ear, nose, throat & skin.

UNIT XV

- Nursing management of patient with blood disorders
- Review of Anatomy & Physiology of Blood and Blood products.
- Pathophysiology, diagnostic procedures and management of blood disorders – Anaemia, Leukemia, bleeding disorders- haemophilia, purpura etc.
- Blood transfusion, safety checks, procedures and requirements, management of adverse transfusion reaction, records for blood transfusion.

- Management and counselling of blood donors, phlebotomy procedure, and post-donation management
- Blood bank functioning and hospital transfusion committee
- Bio-safety and waste management in relation to blood transfusion.

Unit XVI

- Nursing in emergencies.
- Cardiac emergencies
- Trauma
- Poisoning
- Crisis management: Thyroid crisis, Hypertensive crisis, adrenal crisis.

PRACTICAL

Students will be rotated in the selected areas of medicine & surgery, like Cardio-Thoracic, Neurology, Urology, Orthopaedics, Gynaecological, Oncology, Burns and reconstructive surgical units. The students will be given patient assignment. They will practise patient centered comprehensive nursing. Each student is required to give planned health teachings, case presentation and drug study.

ENGLISH

Placement: First Year

Time: 60 hours

COURSE DESCRIPTION

This course is designed to help the student understand and use English needed for their professional work.

OBJECTIVES

After the course the students will

1. Speak and write grammatically correct English
2. Demonstrate effective skill in reading and understanding the English language
3. Demonstrate skill in reporting.

COURSE CONTENTS

Unit I

- Remedial study of Grammar
- Review of grammar, vocabulary and effective use of dictionary. Prepare task-oriented seminars, Synposia and panel discussion.

Unit II

- The ability to understand selected passage and express meaning in one's own words. Reading and comprehension of the prescribed books.

Unit III

- The study of various forms of composition
 - Note taking
- Diary
- Nurses' notes, anecdotal records.
- Writing of summary
- Nurses reports on health problems
- The student will submit one sample of each item from her own practical experience.

Unit IV

- Verbal communication
- Oral reports
- Summarization of discussion
- Debate
- Listening comprehension-film, cassette and Radio.

PRACTICAL

- The clinical experience in the wards and bedside nursing will provide opportunity for students to fulfill the objectives of learning language.
- Assignment on writing and conversation through participation in discussion, debates, seminars and symposia. The students will gain further skills in task-oriented communication.

SOCIOLOGY

Placement: Second year

Time: 60 hours

COURSE DESCRIPTION

This course is to reorient students to sociology related to community and social institution in India and its relationship with health, illness and nursing.

OBJECTIVES

At the end of the course, the student will

1. Describe sociological concepts that are applicable to nursing.
2. Determine role of sociology in nursing as related to social institutions in India.
3. Develop positive attitudes towards individual, family and community.

COURSE CONTENTS

Unit I

Introduction

- Importance of study of sociology in nursing, relationship of anthropology, sociology etc.

Unit II

Individual and the Society

- Socialization
- Interdependence of the individual and society
- Personal disorganization.

Unit III

Culture

- Nature of culture
- Evolution of culture
- Diversity and uniformity of culture.

Unit IV

Social organization

- Social groups, crowds and public groups, nations, races.
- Social institutions: The family, marriage, education, religion, arts, economic organization political organization. The urban & rural community of the town and city
- Social stratification: class and caste
- Problems of Indian peasant

Unit V

Social process

- Process of social interaction: Competition, conflict-war, co-operation, accommodation and assimilation.

Unit VI

Social changes

- Nature and process of Social change: Factors influencing cultural change.
- Cultural lag.

Unit VII

Social problems

- Social disorganization, control & planning: poverty, population, housing, illiteracy, food supplies, growth of urbanization, prostitution, minority groups, rights of women & children, child labour, child abuse, delinquency and crime, substance abuse.

Unit VIII

Beliefs and practices related to socio-medical problems eg STD, HIV/AIDS, Leprosy, T.B., Malnutrition, Counselling for AIDS

Unit IX

Social research methodology

- Social survey methods, interview technique, design of questionnaire for KAP survey

COMMUNITY HEALTH NURSING

Placement: Second year

Time: Theory-60 hours
Practical-240 hours

COURSE DESCRIPTION

The course enables the students to understand the national health care delivery system and to participate in the delivery of community health nursing.

OBJECTIVES

At the end of the course, the students will

1. Explain the concept of the various factors contributing to health of individual, family and community.
2. Identify the role of community health nurse.
3. Describe National Health Care delivery system.
4. Describe epidemiological methods and principles of prevention and control of illness in the community
5. Identify the role of personnel working in the community health set up.
6. Plan the work of community health nurse and supervise and train health workers.

COURSE CONTENTS**Unit I**

Introduction

- Historical review and development of community health services in India
- Introduction to Community Health-Concepts, principles and element of Primary Health Care.

- Introduction to community Health Nursing.
- Concepts of Community Health Nursing, Community Nursing process.
- Objectives, scope and principles of Community Health Nursing.
- Roles and functions of community health nurse.

Unit II

Family Health Services

Family nursing process

- Concept, objectives, scope and principles.
- Individual, family and community as a unit of service.
- Principles and techniques of home visiting.
- Establishing working relationship with the family.
- Working with families in relation to prevention of disease, promotion of health.
- Home visiting bag
- Family health records
- Care of the sick in the home, physically handicapped and mentally retarded.
- Surveillance and monitoring.

Unit III

Organization and administration of health services in India.

- National health policy
- Health Care Delivery system in India.
- Health team concept.
- Centre, State, District, urban health services, rural health services, system of medicines, centrally sponsored health agencies. Role of health personnel in the community. Public Health legislation. Role of Panchayat in health care delivery system
- Community participation

Unit IV

Health Education

- Aims, concepts and scope of health education.
- National plan for health education, communication techniques, methods and media for health education programmes, planning for health education and role of nurse.

Unit V

Role of the community health nurse

- National health programmes.
 - Maternal and child health programmes, family welfare and school health services, occupational health services.
 - As a member of the health team.
- Training and supervision of Health Care Workers. (TBA, VHG, AWW)
- Medico legal aspects in community health nursing: Law and the nurse in case of poisoning, injury, rape, assault
 - Legal responsibilities of nurse in case of abortion, confinement, infections, gunshot, suicide, homicide etc.

Unit VI

Epidemiology

- Definition, concepts, aims, objectives, methods, principles
- Epidemiology-theories and models.
- Application of Epidemiology, principles and concepts in community health.

Unit VII

Bio-Statistics and Vital Statistics

- Introduction, definition and scope, legislation.
- Report, recording and compiling of vital statistics at the local, state, national and international level.
- Definitions and methods of computing vital statistics.
- Methods of presenting data.
- Management Information System.

PRACTICAL

1. Each student will prepare a community profile.
2. The students will be allotted families for gaining experience in identifying family health needs, health counselling and guidance and family budgeting for optimum health.
3. The students will participate in the activities of Primary Health Centre, sub-centre, MCH Centre.
4. Visits will be made to selected health and welfare agencies, water purification plant and sewage disposal plant, Infectious disease hospital.
5. Conduct health education programmes for individual/groups/community.

MENTAL HEALTH NURSING

Placement: Second year

Time: Theory-60 hours

Practical-240 hours

COURSE DESCRIPTION

This course enables the students to recognize and appreciate the causes, symptoms and process of abnormal human behavior. It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior. This course helps the student to learn principles of mental health and psychiatric nursing and to develop beginning skills in the management of the mentally ill in hospital and community.

OBJECTIVES

At the end of the course the student will

1. Identify and describe the philosophy and principles of mental health nursing.
2. Describe the historical development of mental health and psychiatric nursing.
3. Classify mental disorders.
4. Develop skill in history taking and performing mental status examination.
5. Describe etiological factors, psychopathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various mental disorders.
7. Communicate therapeutically with patients and their families.
8. Identify role of the nurse in preventive psychiatry.
9. Identify the legal aspect in practice of mental health and psychiatric nursing.

COURSE CONTENTS

Unit I

Introduction and Historical Development:

- History of Psychiatry.
- Historical development of mental health nursing.
- Philosophy, principles of mental health and psychiatric nursing.
- Concept of normal and abnormal behavior.
- Role and qualities of mental health and psychiatric nurse.
- Mental health team and functions of team members.
- Legal aspects in psychiatry and mental health services.

Unit II

Classification and assessment of mental disorders:

- Terminologies used in Psychiatry.
- Classification of mental disorders
- Etiological factors and psychopathology of mental disorders.
- History taking and assessment methods for mental disorders.

Unit III

Therapeutic Communication:

- Communication process
- Interview skills, therapeutic communication techniques, Nurse-Patient Relationship, Therapeutic impulse and its management, Process recording.

Unit IV

Management of mental Disorders:

- Etiological factors, psychopathology, types, clinical features, diagnostic criteria, treatment and nursing management of patient with following disorders.
- Neurotic Disorders: Anxiety Neurosis, Depressive Neurosis, obsessive compulsive Neurosis, Phobic Neurosis and hypochondriacal Neurosis, Stress related and Somatoform disorders.
- Psychotic Disorders: Schizophrenic form, affective and organic psychosis.
- Organic Brain Syndromes
- Psychosomatic disorders
- Personality Disorders
- Disorders of childhood and adolescence.

Unit V

Management of patients with Substance use disorders.

- Substance use and misuse. Dependence, intoxication and withdrawal, classification of psychoactive substances, etiological & contributory factors, psychopathology, clinical features, diagnostic criteria, treatment and nursing management of patient with substance use disorders.
- Preventive and rehabilitative aspects in substance abuse.

Unit VI

Management of mental sub-normality:

- Classification of mental sub-normality.

- Etiological factors, psychopathology, psychometric assessment, diagnostic criteria and management of sub-normality.

Unit VII

Psychiatric emergencies:

- Types of emergencies, psychopathology, clinical features, assessment and diagnosis, treatment and nursing management of patient with psychiatric emergencies.
- Crisis intervention therapy.

Unit VIII

Therapeutic Modalities:

- Principles, indication, contra-indications and role of nurse in various treatment methods
- Therapeutic community and Milieu therapy
- Occupational therapy
- Psychotherapy
- Behavior therapy
- Group therapy
- Family therapy
- Pharmaco-therapy
- Electro-convulsive therapy
- Other miscellaneous therapies.

Unit IX

Preventive Psychiatry:

- Model of prevention
- Role of nurse in preventive psychiatry
- Psychiatric social work
- Community mental health nursing
- Community mental health agencies
- National mental health program

PRACTICAL

The student will be provided opportunity to:

- Observe, record and report the behaviour of their selected patients.

Records the process of interaction.

- Assess the nursing needs of their selected patients, plan and implement the nursing intervention.
- Counsel the attendant and family members of patient.
- Participate in the activities of psychiatric team.
- Write observation report after a field visit to Child guidance clinic, (School/Special Schools for mentally challenged), Mental hospital, Community mental health centres, De-addiction centre.

INTRODUCTION TO NURSING EDUCATION

Placement: Second Year

Time: Theory-60 hours

Practical-75 hours

COURSE DESCRIPTION

This course introduces the students to principles and concepts of education, curriculum development and methods and media of teaching. It also describes the steps in curriculum development and implementation of educational programmes in nursing.

OBJECTIVES

At the end of the course the students will

1. Describe the philosophy and principles of education
2. Explain the teaching- learning process
3. Develop the ability to teach using various methods and media.
4. Describe the process of curriculum development
5. Describe the administrative aspects of school of nursing
6. Participate in planning and organizing an in-service education program.
7. Develop basic skill of counseling and guidance.

COURSE CONTENTS

Unit I

Introduction to education

- Meaning of education, aims, function and principles
- Philosophy of education, factors influencing development of philosophy of nursing education
- Agencies of education: formal and informal

Unit II

Teaching learning process

- Nature, characteristics and process of learning, principles and maxims of teaching, formulating

objectives, lesson planning

Unit III

Methods of teaching

- Teaching methods: lecture, discussion, demonstration, group discussion, project, role play, panel discussion, symposium, seminars, field trip, workshop, exhibition, programmed instruction, computer assisted learning,
- Clinical teaching methods: Case methods, case presentation, nursing rounds and reports, bedside clinic, conference (individual and group), recording of interaction process

Unit IV

Educational media

- The communication process: factors affecting communication. Purposes and types of audio-visual aids
- Graphics aids: Chalk-board, charts, graphs, posters, flash cards, flannel graph/khadi graph, bulletin board
- Three dimensional aids: objects, specimen, models, puppets.
- Printed aids: pamphlets and leaflets
- Projected aids: slides, films and televisions, VCR, VCP, overhead projector, camera, microscope.
- Audio-aids: tape-recorder, public address system, use of computer in teaching learning process

Unit V

Methods of assessment

- Purposes and scope of evaluation and assessment
- Criteria for selection of assessment techniques and methods
- Assessment tools
- Assessment of knowledge: essay type question, SAQ (Short Answer Questions), MCQ (Multiple choice questions)
- Assessment of skills: Observation, Checklist, Practical examination, Viva, Objective structured clinical examination
- Assessment of attitudes: Attitude scale
- Setting of question paper
- Scoring of answer papers

Unit VI

Curriculum

- Definition, meaning and basic concepts

- Principles of curriculum development
- Steps in curriculum development

Unit VII

Management of school of nursing

- Nursing education system in India
- Planning of school of nursing, organization
- Recruitment of teaching staff, budget, facilities for the school, student selection and admission procedure, administrative planning for students, welfare services for students, maintenance of school records, preparation of annual reports, INC guidelines for school of nursing

Unit VIII

Guidance and Counseling

- Definitions
- Basic principles of guidance and counseling
- Organization of guidance and counseling services
- Counseling process
- Managing disciplinary problems
- Management of crises

Unit IX

Educational psychology

- Meaning & scope
- Individual and his environment
- Developmental needs of various stages in life and educational implications
- Mental hygiene of the teachers and the taught

Unit X

In-Service education

- Introduction to nature and scope of inservice education programme, principles of adult learning, planning for inservice programme, techniques, and methods of staff education programme and evaluation of inservice programme.

PRACTICAL

Each student will

- Conduct five planned teachings using different method and media.
- Prepare different types of teaching aids.
- Plan, organize and conduct inservice education programme.

- Conduct at least one counseling session.
- Prepare rotation plans.

INTRODUCTION TO NURSING SERVICE ADMINISTRATION

Placement: Second year

Time: Theory-60 hours

Practical-180 hours

COURSE DESCRIPTION

This course is designed to give an opportunity to the student to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the student to develop an understanding of professional leadership need.

OBJECTIVES

At the end of the course the student will

1. Identify the principles of administration
2. Describe the principles and techniques of supervision
3. Explain the principles and methods of personnel management
4. Explain the principles of budgeting
5. Organize and manage a nursing unit effectively
6. Identify dynamics of organizational behaviour styles and functions of effective leadership.

COURSE CONTENTS

Unit I

Principles and practise of Administration

- Significance, elements and principles of administration. Organization of Hospital: Definition, aims, functions and classifications, health team. Policies of hospital, different departments with special emphasis to department of nursing & Office management. Responsibilities of the nursing personnel especially of ward sister. Medico-legal aspects, concept of cost effectiveness. Functions and qualities of good administrator. Administrative process (POSDCORB)

Unit II

Nursing unit management

- Physical layout of a nursing unit and necessary facilities, factors affecting the quality of nursing care. Maintenance of a therapeutic environment. Administration of the unit-management of patient care. Maintenance of physical environment. Assignment of duties and time plan. Patient assignment, safety measures, prevention of accidents and infections, maintenance of patients' records of reports, legal responsibilities. Maintenance of quality nursing care, nursing audit. Management information system

Unit III

Staff recruitment and selection, appointment, promotions, personnel policies and job descriptions. Job analysis. Staffing the unit, staffing norms, rotation plan, leave planning, performance appraisal, staff welfare and management of disciplinary problems. Conflict and conflict management, morale and motivation. Staff development

Unit IV

Supervision

- Principles of supervision, nature and objectives, tools and techniques of supervision, evaluation, nursing audit, staff development-orientation programme, skill training, Leadership development. Problem solving process

Unit V

Material Management

- Principles of Material management, Quality control. Inventory, care of equipments, safe keeping, role of nursing personnel material management.

Unit VI

- Financial Management
- Budgeting- principles of budgeting, audit

Unit VII

Organizational Behavior

- Group dynamic and human relation, organizational communication (hospital information system) Public relations, leadership styles and functions, Methods of reporting, Maintaining records and reports.

PRACTICAL

- Observe the functioning of nursing administration at various levels i.e. institution, department, unit. Each student will practise ward management under supervision, students prepare rotation plan of the staff, write reports, give verbal reports of the ward and assist in maintaining the inventory of the nursing unit.
- Visit to private and Government hospital and write observation reports.

INTRODUCTION TO NURSING RESEARCH AND STATISTICS

Placement: Second year

Time: Theory-45 hours

Practical-120 Hours

COURSE DESCRIPTION

The course is designed to assist the student to develop an understanding of basic concepts of research

and statistics, use the findings of nursing research in nursing practice, apply the knowledge in conducting project(s) and solve problems related to nursing using scientific methods.

OBJECTIVES

At the end of the course the students will

- Define the terms and concepts of nursing research
- Identify needs and scope of nursing research
- Identify and define a research problem
- Locate and list sources of literature for a specific study
- Describe different research approaches, methods of data collection and sampling techniques with a special reference to survey method.
- Develop tools for data collection
- Enumerate steps of data analysis and present data summary in tabular form
- Use descriptive and co-relational statistics in data analysis
- Conduct a group research project.

COURSE CONTENT

A. INTRODUCTION TO RESEARCH METHODOLOGY

Unit I

- Steps of scientific methods, definition of research, need for nursing research, characteristics of good research. Research Process.

Unit II

- Statement of research problem: Statement of purpose and objectives. Definition of research terms. Review of literature

Unit III

- Research approaches: historical, survey and experimental

Unit IV

- Sampling techniques and methods of data collection
- Sampling
- Instruments-questionnaire. Interview
- Observation schedule, records, measurements
- Reliability and validity of instruments

Unit V

- Analysis of data: Tabulation, Classification and summarization, presentation, interpretation of data.

Unit VI

- Communication of research findings:
- Writing Report: Organizing materials for writing- format of the report, use of computers.

B. INTRODUCTION TO STATISTICS**Unit VII**

- Descriptive statistics
- Frequency distribution- types of measures, frequencies, class interval, graphic methods of describing frequency. Measures of central tendency, Mode, Median and Mean. Measures of variability: Range, Standard deviation. Introduction to Normal probability

Unit VIII

- Correlation: computation by rank difference methods. Uses of correlation co-efficient

Unit IX

- Biostatistics: Crude rates and standardized rates ratio and estimation of trends.

C. INTRODUCTION TO COMPUTERS**Unit X**

Introduction to computer in nursing

- Introduction to computers and disk- operating system.
- Introduction to word processing
- Introduction to data base
- Lotus and graphics and use of statistical packages.
- Windows, MS office and its application, word, excel, power point, multimedia.
- Introduction to Internet & use of electronic mail
- Computer aided teaching & testing.

PRACTICAL

Students will conduct research project in small groups in selected areas of nursing and submit a report (Group studies may include studying of existing health practises, improved practises of nursing procedure, health records, patient records and survey of nursing literature).

COLLEGE OF NURSING
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
COURSE LEADING TO B. Sc. NURSING (POST BASIC) DEGREE

COURSES OF STUDY**First year**

S. No.	Subject	Hours Theory	Hours Practical
1.	Nursing Foundation	45	
2.	Nutrition & Dietetics	30	15
3.	Biochemistry & Biophysics	60	
4.	Psychology	60	15
5.	Maternal Nursing	60	240
6.	Child Health Nursing	60	240
7.	Microbiology	30	30
8.	Medical & Surgical Nursing	120	270
9.	English (Qualifying)	60	—
Total		525	810

Note: Hindi language for non- Hindi speaking students.

Second year

S. No.	Subject	Hours Theory	Hours Practical
1.	Sociology	60	
2.	Community Health Nursing	60	240
3.	Mental Health Nursing	60	240
4.	Introduction to Nursing Education	60	75
5.	Introduction to Nursing Administration	60	180
6.	Introduction to Nursing Research & Statistics	45	120
Total		345	855