

POST BASIC B.SC.NURSING SYLLABUS

BY

INDIAN NURSING COUNCIL

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PHILOSOPHY

INC believes that: Health is a state of well being that enables a person to lead a psychologically, socially and economically productive life. Health is not a privilege but a right of all the people. Individuals, families and communities have a responsibility towards maintaining their health.

Nursing contributes to the health services in a vital and significant way in the health care delivery system. It recognizes national health goals and is committed to participate in the implementation of National Health policies and programmes. It aims at identifying health needs of the people, planning and providing quality care in collaboration with other health professionals and community groups.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of nursing is based upon application of basic concepts and principles derived from the physical, biological, behavioral sciences.

Nursing is based on values of caring, and aims to help individuals to attain independence in self care. It necessitates development of compassion and understanding of human behavior among its practitioners to provide care with respect and dignity and protect the right of individuals & groups.

Undergraduate nursing program at the post basic level is a broad based education within an academic framework, which builds upon the skills and competencies acquired at the diploma level. It is specifically directed to the upgrading of critical thinking skills, competencies and standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven. Self directed learning and foster an attitude of lifelong learning.

Under graduate nursing education program at the post basic level prepares its graduates to become exemplary citizen by adhering to code of ethics and

professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

Courses / P.B.B.Sc.Nursing

Course Description

The aim of the undergraduate nursing program at the post basic level is to upgrade the diploma (GNM) nurses to:

1. Assume responsibilities as professional.
2. Competent nurses and midwives at basic level in providing promotive, preventive, curative and rehabilitative services.
3. Make independent decisions in nursing situations.
4. Protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services, and conduct research studies in the areas of nursing practice.
5. They are also expected to assume the role of teacher, supervisor, manager in a clinical / public health setting.

OBJECTIVES :

On completion of B.Sc. Nursing (Post-Basic) degree programme the graduates will be able to:

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients / clients that contribute to health of individuals, families and communities.
2. Demonstrate competency in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioral sciences.
3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.
4. Demonstrate skills in communication and interpersonal relationship.
5. Demonstrate leadership qualities and decision-making abilities in various situations.
6. Demonstrate skills in teaching to individuals and groups in community health settings.
7. Demonstrate managerial skills in community health settings.
8. Practice ethical values in their personal and professional life.
9. Participate in research activities and utilize research findings in improving nursing practice.
10. Recognize the need for continued learning for their personal and professional development.

Course of Study

Sr.No.	Subject	Theory Hours	Practical	Total Hours
1st Year				
1	Nursing Foundation	45		45
2	Nutrition & Dietetics	30	15	45
3	Biochemistry & Biophysics	60		60
4	Psychology	60	15	75
5	Maternal Nursing	60	240	300
6	Child Health Nursing	60	240	300
7	Microbiology	60	30	90
8	Medical & Surgical Nursing	90	270	360
9	English (Qualifying)	60		60
Total		525	810	1215
Note: Hindi / Local language as per the need of the institution.				
2nd Year				
1	Sociology	60		60
2	Community Health Nursing	60	240	300
3	Mental Health Nursing	60	240	300
4	Introduction to Nursing Education	60	75	135
5	Introduction to Nursing Administration	60	180	240
6	Introduction to Nursing Research & Statistics	45	120	165
Total		345	855	1200

ADMISSION REQUIREMENTS

1. General Nursing & Midwifery Completed
2. Candidate shall be medically fit.

Entrance /Selection Test

Selections of the candidates should be based on the merit of the entrance examination held by University or Competent Authority.

Duration

Duration of the course shall be Two years.

PBBSC NURSING

SCHEME OF EXAMINATION

Sr no	Subject	Duration	Internal assessment	External assessment	Total marks
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Ist year PBBSC NURSING

Theory

1	Nursing Foundation	2	15	35	50
2	Nutrition & Dietetics	2	15	35	50
3	Biochemistry & Biophysics	3	25	75	100
4	Psychology	3	25	75	100
5	Microbiology	3	25	75	100
6	Maternal Nursing	3	25	75	100
7	Child Health Nursing	3	25	75	100
8	Medical & Surgical Nursing	3	25	75	100
9	* English (Qualifying) --	3	25	75	100

Practicals

1	Medical & Surgical Nursing	50	50	100
2	Child Health Nursing	50	50	100
3	Maternal Nursing	50	50	100

II nd year P.B.B.Sc. Nursing

Theory

1	Sociology	3	25	75	100
2	Community Health Nursing	3	25	75	100
3	Mental Health Nursing	3	25	75	100
4	Introduction to Nursing Education	3	25	75	100
5	Introduction to Nursing Service Administration	3	25	75	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	50

Note: * Qualifying Examination

*College Examination (not University Examination)

N.B.:

1. Teaching of anatomy, physiology, pharmacology and pathology will be integrated with clinical subjects.
2. A minimum of 80% attendance in theory and Practical /Clinical in each subject is essential for appearing in the examination.
3. 100% attendance in practical/clinical in each clinical area is essential before award of degree.
4. 50% of minimum marks in each theory and practical paper separately is required for passing.
5. A candidate has to secure minimum of 33% in qualifying subject for passing.

NURSING FOUNDATION

Placement: First Year

Time allotted-45 hrs

Course Description

This course will help the students to 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 development 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 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 CONTENT:

UNIT I - 6 Hrs

- Development of nursing as a profession
 - its philosophy
 - objectives and responsibilities of a graduate nurse
- Trends influencing nursing practice
- Expanded role of a nurse
- Development of nursing education in India and trends in the nursing education.
- Professional organizations, carrier planning
- Code of ethics and professional conduct for nurses.

UNIT II -12 Hrs

- Ethical, legal and other issues in nursing
- Concepts of health and illness, effects on the person
- Stress and adaptation
- Health care concept and nursing care concept
- Developmental concepts, needs, roles and problems of the developmental stages of the individual,newborn,infant,toddler,preadolescent,adolescent,adulthood,middle age,old age.

UNIT III- 8 Hrs

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

UNIT IV- 10 Hrs

- Nursing process
- Assessment: Tools for assessment, methods, recording.
- Planning: Techniques for planning care, types of care plans.
- Implementation: Different approaches to care, organizations and implementation of care, recording.
- Evaluation: Tools for evaluation, process for evaluation.

UNIT V - 6 Hrs

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

UNIT VI – 6 Hrs

- **Primary Health care concept:**
 - Community oriented nursing
 - Holistic Nursing
 - Primary Nursing
- **Family oriented nursing concept:**
 - Problem oriented nursing
 - Progressive patient care
 - Team Nursing

NUTRITION AND DIETETICS:

Placement: First Year

Time Allotted: Theory 30 Hrs

Practical 15 Hrs

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 setting.
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.

COURSE CONTENT:

UNIT I -8 Hrs

- 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 and macro.

UNIT II – 8 Hrs

- Introduction to diet therapy

- Routine Hospital Diet.

Therapeutic diet under each unit i.e. Cardiovascular diseases, Gastrointestinal Diseases, Renal Disorders, Endocrine and metabolic disorders, Allergy, infections and fevers, pre and post operative stage, Deficiency diseases and malnutrition, overweight and underweight.

UNIT III – 16 Hrs

- 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 requirements.
- Supplementary feeding of infants: Advantage and method of introduction.
- Weaning, effects on mother and child.
- Psychology of infant and child feeding.
- Feeding of the sick child. Diet in diseases of infancy and childhood.
- Deficiency states- Malnutrition and under nutrition.
- Feeding preschool child: nutritional needs, factors to be considered in planning diets, problems in feeding.
- School lunch programme: Advantages ,Need in India.

UNIT IV – 6 Hrs

- 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 states of individual/ group/ community.
- Current nutritional needs and nutritional programmes.

PRACTICAL

I. Methods of cooking and cookery rules.

1. Simple preparation of beverage, soups, cereals, and pulses, eggs, vegetables, meat.
2. Menu Plans.

II. Preparation of supplementary food for infants.

1. Food for Toddlers.
2. Low cost nutritious dishes for vulnerable groups.
3. Dietary Case study of patients on special diet and planning of low cost dietary instructions for home adaptations.
4. Planning of therapeutic diets.

BIOCHEMISTRY AND BIOPHYSICS

Placement: First Year

Time Allotted:

Section A(Biochemistry)-Theory 30 hrs

Section B(Biophysics)- Theory 30 Hrs.

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.
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SECTION A: BIOCHEMISTRY

Theory – 30 Hrs

COURSE CONTENT

UNIT I -2 Hrs

- Introduction : Importance of Biochemistry in nursing.
- Study of cell and its various components.

UNIT II – 2 Hrs

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

UNIT III – 5 Hrs

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

UNIT IV - 5 Hrs

- Carbohydrates : catabolism of carbohydrates for energy purposes
- Mitochondrial oxidation and oxidation phosphorylation
- Fats of glucose in the body. Storage of glucose in the body, Glycogenesis, Glycogenolysis and neoglucogenesis, blood glucose and its regulation.
- Glucose tolerance test, hyperglycemia, hypoglycemia, glycemia.

UNIT V -5 Hrs

- Protein: Amino acids, hormones.
- Essential amino acids, hormones.
- 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.

UNIT VI – 6 Hrs

- Fat: Biosynthesis of fats and storage of fats in the body.
- Role of liver in the fat metabolism.
- Biological importance of important lipids and their functions.
- Cholesterol and lipoprotein
 - sources, occurrences and distribution
 - Blood level and metabolism
 - Ketone bodies and utilization
- Inter relationships in metabolism and cellular control of metabolic processes.

Section B: Biophysics

Theory -30 hours

COURSE CONTENTS

UNIT I- 2 Hrs

- Introduction: concepts of unit and measurements.
- Fundamental and derived units
- Units of length, weight, mass, time.

UNIT II-2 Hrs

- Vector and scalar motion, speed, velocity and acceleration.

UNIT II -3 Hrs

- Gravity: specific Gravity, centre of Gravity, Principles of Gravity.
- Effect of gravitational forces on human body.
- Applications of principles of gravity in nursing.

UNIT IV -3 Hrs

- Force, work, Energy: Their units of measurement.
- Type and transformation of energy, forces of the body, static forces.
- Principles of machines, friction and body mechanics.
- Simple mechanics-lever and body mechanics, pulley and traction, incline plane, screw.
- Application of these principles in nursing.

UNIT V – 3 Hrs

- Heat: nature, measurement and transfer of heat.
- Effects of heat on matter
- Relative humidity, specific heat.
- Temperature scales
- Regulation of body temperature
- Use of heat for sterilization
- Application of these principles in nursing

UNIT VI -3 Hrs

- Light: Laws of reflection

- Focusing elements of eye, defective vision and its correction, use of lenses
- Relationship between energy, frequency and wavelength of light
- Biological effects of light
- Use of light in therapy
- Application of these principles in nursing

UNIT VII – 3 Hrs

- Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure
- Measurements of pressures in the body
 - Arterial and venous blood pressures
 - Ocular pressure
 - Intracranial pressure
 - Application of these principles in nursing.

UNIT VIII

- Sound: frequency, velocity and intensity
- Vocalisation and hearing
- Use of ultrasound, Noise pollution and its prevention
- **Application of these principles in nursing.**

UNIT IX -5 Hrs

- Electricity and electromagnetism: Nature of electricity, voltage current, resistance and their units
- Flow of electricity in solids, electrolytes, gases and vacuum.
- Electricity and human body.
- ECG,EEG,EMG, ECT
- Pace makers and defibrillation
- Magnetism and electricity.

- MRI Scanning, CAT SCAN

UNIT X – 2 Hrs

- Atomic energy: structure of atom, Isotopes and Isobars
- Radioactivity: Use of Radioactive Isotopes
- Radiation protection units and limits, Instruments used for detection of Ionizing radiation, X rays.

UNIT XI – 2 Hrs

- Principles of Electronics: Common Electronic equipments used in patient care

Practicum

- Experiments and tests should be demonstrated wherever applicable.

PSYCHOLOGY

Placement: First Year

Time Allotted –Theory 60 Hrs

Practical 15 hrs

COURSE DESCRIPTION:

This course is designed to reorient and widen the student's knowledge of fundamental of psychology. The student is offered an opportunity to apply the theoretical concepts in the clinical setting and thereby to understand the psychodynamics of patient behavior. This course would help the student to develop an insight into her own behavior.

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 behavior patterns.
4. . Tabulate the psychological needs of the patients for planning nursing care.
5. Participate in psychometric assessment of the client.

COURSE CONTENTS

UNIT I- 3 Hrs

- Introduction: Definition of psychology, scope, and methods of psychology.
- Relationship with other subjects.

UNIT II -6 Hrs

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

UNIT III -6 Hrs

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

UNIT IV – 5Hrs

- Emotions: Definition of emotions, expression and perception
- Emotions in sickness

UNIT V- 7 Hrs

- Personality: Definition and constituents of personality
- Personality in sickness and nursing

UNIT VI – 6 Hrs

- Psychological aspects of nursing
- Behavior and sickness, Psychological needs of
-Child and adolescents

- Adult
- Aged
- Attendants
- Chronically ill individual

UNIT VIII -4 Hrs

- 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 – 6 Hrs

- Intelligence and abilities: Definition
- Intelligence and abilities during sickness
- Measurement of intelligence and abilities

UNIT IX – 5 Hrs

- Learning: Definition, Conditions of learning
- Laws of learning
- Learning during health and sickness

UNIT X -5 Hrs

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

UNIT XI – 5 Hrs

- Attitudes: Definition, development and modification

- Role of attitudes in health and sickness

UNIT XII – 3 Hrs

- Concept of mental hygiene & mental health
- Characteristics of a mentally healthy person
- Defense mechanism

Practicum

- 1) Simple experiments on (i) perception (ii) measuring thresholds (iii) reaction time
- 2) Administration of psychological tests
- 3) Observation and recording data: (i) Field observation (ii) interview (iii) case study (iv) Self rating

MICROBIOLOGY

Placement: First Year

Time Allotted – 60 Hrs

Practical – 30 Hrs

COURSE DESCRIPTION

This course is designed to reorient the students to the fundamentals of microbiology and its various subdivisions. It provides opportunities to gain skill in handling and use of microscope for identifying various microorganisms. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying microorganisms.

OBJECTIVES:

At the end of the course, the student will

1. Identify Common disease producing microorganisms.
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 infection control system.

6. COURSE CONTENTS:

UNIT I -3 Hrs

- Structure and Classification of microbes.
- Morphological types
- Size and form of bacteria
- Motility
- Classification of microorganisms.

Practical

- Use and care of microscope
- -Common examination: smear, blood, moulds, yeasts.

UNIT II -3 Hrs

- Identification of microorganisms
- Discussion of laboratory methods
- Diagnosis of bacterial diseases

Practical:

- Staining techniques-gram staining, acid fast staining
- Hanging drop preparation

UNIT III -5 Hrs

- Growth and Nutrition of Microbes
- Temperature
- Moisture
- Blood

PRACTICAL:

- Preparation of Media and culture techniques
- Collection, handling and transportation of various specimens

UNIT IV –5 Hrs

- Destruction of microorganisms
- Sterilization and disinfection
- Chemotherapy and antibiotics
- Effects of heat and cold
- Hospital infection control procedure and role of nurses.

PRACTICAL:

- Sterilization Methods: Physical, chemical and mechanical

UNIT V -5 Hrs

- Disease producing microorganisms
- Gram positive bacilli
- Tuberculosis and leprosy
- Anaerobes
- Cocci
- Spirochaete
- Rickettsiae
- **PRACTICAL:** Identification and study of following bacteria: streptococci, pneumococci and staphylococci, corynebacteria, spirochetes and gonococci. Enteric bacteria, posting in infection control department.

UNIT VI – 5 Hrs

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

UNIT VI – 5 Hrs

- Immunity
- Immunity and Hypersensitivity – skin test
- Antigen and antibody reaction
- Immunization in disease
- PRACTICAL: Demonstration of serological methods

UNIT VIII -10 Hrs

- Parasites and Vectors
- Characteristics and Classification of parasites
- Protozoal infection including amoebiasis
- Helminths infection
- Diagnosis of parasitic infection
- Vectors and diseases transmitted by them
- Practical: Identification of Parasites and vectors

UNIT IX

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

UNIT X

- Microorganisms transmitted through food.
- Food poisoning, food borne infections.

PRACTICAL

Each student will practice in the laboratory as indicated in each unit of the courses outline. While giving nursing care in the wards they 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 Allotted: Theory – 60 Hrs

Practical – 240 Hrs

COURSE DESCRIPTION

This course is designed to widen the student's knowledge of obstetrics during pregnancy, labor 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 gynecological problems.

OBJECTIVES:

At the end of the course, the students will

1. Describe the physiology of pregnancy, labor and puerperium.
2. Manage normal pregnancy, labor 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 -1

- 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 -6 Hrs

- Review of the anatomy and physiology of female reproductive system
- Female pelvis (normal and contacted)
- Review of fetal development

UNIT III – 8 Hrs

- Physiology and management of pregnancy, labor and puerperium
- Signs and symptoms and diagnosis of pregnancy
- Antenatal care
- Pregnant women with HIV/AIDS
- Management of common Gynaecological problems

UNIT V – 6 Hrs

- The new born baby
- Care of the baby at birth including resuscitation
- Essential newborn care
- Feeding
- Jaundice and infection
- Small & large for date babies.
- Intensive care of the newborn.
- Trauma and hemorrhage

UNIT V- 5 Hrs

- Management of abnormal pregnancy, labor and puerperium
- Abortion, ectopic pregnancy and vesicular mole.
- Pregnancy induced hypertension, gestational diabetes, anemia, heart disease.

- Urinary infection, Antepartum hemorrhage
- Abnormal labour (malposition & malpresentation)
- Uterine inertia
- Disorder of puerperium
- Management of engorged breast, cracked nipples, breast abscess and mastitis
- Puerperal sepsis
- Postpartum hemorrhage
- Inversion and prolapsed of uterus, obstetrical emergencies
- Obstetrical operations i.e. forceps, vacuum, episiotomy, caesarean section

UNIT VI

- Drugs in Obstetrics
- Effects of drugs during pregnancy, labour and puerperium on mother and baby.

UNIT VII – 4 Hrs

- National Welfare Programmes for women
- National Family Welfare Programme
- Infertile family
- Problems associated with unwanted pregnancy
- Unwed mothers

PRACTICAL

- The students will
 - a. Be posted in antenatal Clinic, MCH Clinic, antenatal ward, labour room, Postnatal ward, maternity OT, MTP Room.
 - b. Visit welfare agencies for women and write observation report
 - c. Follow nursing process in providing care to 3-6 patients.
 - d. Visit at least two nursing care studies and do a presentation.

- e. Give at least on planned health teaching to a group of mothers.
2. Practice following nursing procedures
 - a. Antenatal & postnatal examination, prevaginal exam.
 - b. Conduct normal delivery, stitching of episiotomy, (for male candidates, minimum conduct of five deliveries.)
 - c. Motivation of family for adopting family planning methods.
 - d. Motivate family for planned parenthood.
 - e. Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

CHILD HEALTH NURSING

Placement: First Year

Time Allotted : Theory -60 Hrs

Practical -240 Hrs

COURSE DESCRIPTION

This course is aimed at developing an understanding of the modern approach to childcare, 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
- Nationally policy and legislations in relation to child health and welfare.
- National programmes related to child health and welfare
- 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
- The role of a pediatric nurse in caring for a hospitalized child.
- Principles of pre and postoperative care of infants and children.
- Pediatric nursing Procedures

UNIT II

- The healthy child
- Growth and development from birth to adolescence
- The needs of normal children through the stages of development and parental guidance.
- Nutritional needs of children & infants breast feeding, supplementary/ artificial feeding and weaning.
- 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 nursery.

UNIT IV

- Nursing management in common childhood diseases
- Nutritional deficiency disorders.
- Respiratory disorders and infections.
- Gastrointestinal infections, infestations and congenital disorders
- Cardiovascular problems-congenital defects, rheumatic fever.
- Genitourinary disorders- Nephrotic syndrome, Wilm's tumour, infection and congenital disorders.
- Neurological infections and disorders- convulsion, epilepsy, meningitis, hydrocephalus, spinabifida.
- Hematological disorders- Anemia, Thalassemia, ITP, Leukemia, Hemophilia.
- Endocrine disorders- Juvenile diabetes mellitus.
- Orthopedic disorders-club feet, hip dislocation and fracture
- Disorders of skin, eye and ears.
- Common communicable diseases in children, their identification and nursing management in hospital and home and prevention.
- Pediatric emergencies-poisoning, foreign bodies, hemorrhage, burns and drowning.

UNIT V

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

PRACTICAL

The student will:

1. Be posted in paediatric medical and surgical ward, OPD in Hospital, Health centre and neonatal unit.
2. Visit the centre for handicapped children and child welfare centre and write observation report.
3. Write an observation study of normal children of various age groups in home/ nursery school/crèche.
4. Follow nursing process in providing care to 3-6 children.
5. Write at least two nursing care studies and do a presentation.
6. Give two planned health teachings, one in hospital and one in OPD/ Health centre
7. Practice the following nursing procedures:
 8. Taking pediatric history.
 9. Physical assessment of children
 10. Baby bath
 11. Feeding
 12. Restraining
 13. Calculation of dosage of drugs and administration of medications and injections.
 14. Collection of specimens.
 15. Enema, Bowel Wash, Colostomy irrigation
 16. Steam and oxygen inhalation
 17. Preparation to assist with diagnostic tests and operations.
 18. Examination/assessment of a newborn
 19. NEONATAL Resuscitation
 20. Care of baby in the incubator and on ventilator.
 21. Phototherapy

22. Assist in exchange transfusion and other therapeutic procedures.

MEDICAL SURGICAL NURSING

Placement: First Year

Time Allotted: Theory -90 Hours

Practical: -270 Hrs

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

1. Explain relevant Anatomy and physiology of various systems of the body.
2. Explain pathophysiology of various disorders.
3. Explain the actions, side effects and nursing implications in administering drugs for various disorders.
4. Discuss the recent advancement in the treatment and care of patients with medical surgical conditions.
5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. Assist the patients and their families in identifying and meeting their own health needs.
7. Appreciate the role of the nurse in the medical surgical health team.

COURSE CONTENTS

UNIT I – 4 Hrs

- Introduction to medical surgical nursing.
- Review of concepts of comprehensive nursing care in medical surgical conditions.

- Nurse, patient and his/her family.
- Functions of the nurse in the outpatient department.
- Intensive care unit.

UNIT II – 10 hrs

- 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 – 8 hrs

- Nursing management of patient with neurological and neurosurgical conditions.
- Review of anatomy and physiology of the nervous system.
- Pathophysiology, diagnostic procedures and management of:
 - cerebro vascular accidents
 - Cranial, spinal and peripheral neuropathies.
 - Headache and intractable pain.
 - Epilepsy

- Infections and inflammatory diseases and trauma of the nervous system.
 - Common disorders of the system.
 - Recent advances in diagnosis and treatment modalities.
- Drugs used in these disorders.
- Tumors of brain and spinal cord, congenital malformations, degenerative diseases.

UNIT IV-5 Hrs

- Nursing management of patient with cardiovascular problems
- Review of relevant anatomy and physiology of cardiovascular system
- 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, hart block.
- Cardiac emergencies: cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurysm and peripheral vascular disorders, recent advancement in cardiology.

UNIT V – 6 Hrs

- 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 genitourinary problems.
- Review of anatomy and physiology of the genitourinary system.
 - Nephritis
 - Renal calculus
 - Acute renal failure
 - Chronic renal failure
 - End stage renal disease
- Special procedures, dialysis, renal transplant
- Drugs used in the management of these patients
- Congenital disorders, urinary infections
- Benign prostate hypertrophy

UNIT VII

- Nursing management of patients with problems of the digestive systems
- Review of anatomy and physiology of gastrointestinal system and accessory organs.
- Pathophysiology, diagnostic procedures and management of
 - G.I. Bleeding

- Peptic ulcer
- Infections
- Acute abdomen
- Colitis, diarrhoea, dysentery and mal absorption syndrome.
- Cholecystitis
- Hepatitis, hepatic coma and cirrhosis of liver
- Portal Hypertension
- pancreatitis
- Tumours, hernias, fistulas, fissures, hemorrhoids.

Drugs used in the management of these patients.

UNIT VIII - 5 Hrs

- Nursing management of patients with endocrine problems
- Review of anatomy and physiology and pathophysiology of patients with
 - Thyroid disorders
 - Diabetes mellitus
 - Diabetes Insipidus
 - Adrenal tumour
 - Pituitary disorders
 - Diagnostic procedures
 - Nursing management of patients with above problems.

Drugs used in endocrine problems.

UNIT IX -5 Hrs

- Nursing management of patients with musculoskeletal problems
- Review of anatomy and physiology/pathophysiology
 - Arthritis, osteomyelitis

- Fractures, dislocation and trauma
- Prolapsed disc
- Osteomalacia and osteoporosis
- Tumor
- Amputation
- Diagnostic procedures

Nursing management of patients with above problems

- Prosthesis and rehabilitation
- Transplant & replacement surgeries

UNIT X

- Nursing management of patients with disorders of female reproductive tract
- Disorders of menstruation
- Infections of the genital tract
- Benign and malignant tumors of the genital tract
- R.V.F., V.V.F.
- Climateric changes and associated problems

UNIT XI -5 Hrs

- 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 – 3 Hrs

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

UNIT XIII – 5 Hrs

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

UNIT XIV –5 Hrs

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

UNIT XV – 5 Hrs

- Nursing management of patients with blood disorders
- Review of anatomy & physiology of blood and blood products
- Pathophysiology, diagnostic procedures and management of blood disorders-
 - Anemia
 - Leukemia
 - Bleeding disorders
 - Hemophilia
 - Purpura etc.
- Blood transfusion, safety checks, procedure 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 -3 Hrs

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

PRACTICAL

- Students should be rotated in the selected medical & surgical areas, like cardio Thoracic, neurology, Urology, and Reconstructive Surgery units.
- The students should be given patient assignment, they should have to practice patient centred comprehensive nursing.
- Each student is required to give planned health teachings, conduct clinical teaching, case presentation and drug study.

ENGLISH

Placement :First Year

Time Allotted:Theory -60 Hrs

COURSE DESCRIPTION

This course is designed to help the student understand and usage of English language required for their personal work.

OBJECTIVES

After the course the students will develop

1. Ability to speak and write gramatically correct English
2. Effective skill in reading and understanding the English language.
3. Skill in reporting

COURSE CONTENTS

UNIT I

- Remedial Study of Grammar.
- Review of Grammar, vocabulary and effective use of dictionary.
- Prepare task oriented seminars
- Symposia 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 keeping
 - 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 bed side 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 Allotted: Theory-60 Hrs

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, race.
- Social Institutions: The family, marriage, education, religion, arts, economic organization, political organization
- The urban and rural communities in India: Ecology, characteristics of the village, characteristics of the town and city.
- Social stratification: class and caste

UNIT V

- Social process
- Process of social interaction : Competition, conflict war, cooperation, accommodation and assimilation

UNIT VI

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

UNIT VII

- Social problems
- Social disorganization, control and 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.

COMMUNITY HEALTH NURSING

Placement : Second Year

Time Allotted: Theory -60 Hrs

Practical -240 Hrs

COURSE DESCRIPTION

This course enables the student 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 student will

- 1.Explain the concept of 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
- Introduction to community Health – concepts, principles and elements 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

UNIT II

- Family Health services
- 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 diseases, promotion of health
- Care of the sick in the home, physically handicapped, and mentally challenged.

- 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 schemes
 - Role of voluntary health organizations and international health agencies.
 - Role of health personnel in the community
 - Public Health Legislation.

UNIT IV

- Health Education
- Aims, concepts and scope of health education
- National plan for health education
- Communication techniques
- Methods and media 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

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

- Each student will prepare a community profile
- The students will be allotted families for gathering history, identifying family health needs, health counseling and family budgeting for optimum health.
- The students will participate in the activities on the centre.
- Sub centre and MCH Centre
- Visits will be made to selected health and welfare agencies, purification plant and sewage disposal plant, infectious disease hospital.
- Conduct health educational programmes for individual/groups/community.

MENTAL HEALTH NURSING

Placement: Second Year

Time Allotted: Theory-60 Hrs

Practical -240 hrs

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, cultural factors affecting human behaviour. This course help the students to learn principles of mental health and psychiatric nursing and to develop beginning skills in the management of mentally ill in the 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, psycho-pathology, 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 the role of the nurse in preventive psychiatry.
9. Identify the legal aspects 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 impasse and its management process recording.

UNIT IV

- Management of mental disorders.
- Etiological factors ,psycho pathophysiology, 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 disorders.

- 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 subnormality
- Classification of mental subnormality
- 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 patients with psychiatric emergencies.

- Crisis intervention therapy.

UNIT VIII

- Therapeutic modalities
- Principles, indications, contraindications and role of nurse in various treatment modules.
- Therapeutic community and milieu therapy
- Occupational therapy
- Psychotherapy
- Behavior therapy
- Group Therapy
- Family therapy
- Pharmacology
- Electroconvulsiv therapy
- Other miscellaneous therapies

UNIT IX

- Preventive psychiatry
- Model of prevention
- Role of nurse in preventive psychiatry
- Psychiatric social work
- Community mental health nursing
- National mental health programmes.

PRACTICAL

The student will be provided opportunity to:

- Observe, record, and report the behavior of their selected patients. Record 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 the following places:
 - Child guidance clinic.
 - Schools/Special schools(for mentally subnormal)
- Community mental health centre.
- De-addiction centre.

INTRODUCTION TO NURSING EDUCATION

Placement: Second Year

Time allotted: 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 assessment.
5. Describe the administrative aspects of school of nursing
6. Participate in planning and organizing an in service education programme.
7. Develop basic skill of counseling and guidance.

COURSE CONTENTS

UNIT I

- Introduction to education
 - Managing of education, aims, function and principles.
- Philosophy of education
 - Factors influencing development of Philosophy of nursing education.

UNIT II

- Teaching learning process
- Nature and characteristics 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
- Seminar
- Field trip
- Workshop
- Exhibition
- Programmed instruction
- Computer assisted learning
 - Clinical teaching methods:
- Case methods
- Case presentation
- Nursing rounds and reports
- bedside clinicConference (Individual and group)

Recording of interaction process

UNIT IV

- Educational media
- The communication process: factors affecting communication
- Purposes and types of audio-visual aids.
- Graphic aid: chalkboard, charts, graphs, posters, flashcards ,flannel graph/ khadigraph, bulletin, cartoon.
- 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, computer

UNIT V

- Methods of assessment
- Purpose and scope of evaluation and assessment
- Criteria for selection of assessment techniques and methods
- 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 attitude: Attitude scale

UNIT VI

- Management of School of nursing
- Planning of School of Nursing, Organization
- Recruitment of teaching staff, budget, facilities for 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 VII

- Guidance and counseling definition
- Basic principles of guidance and counseling
- Organization of guidance and counseling services
- Counseling process
- Managing disciplinary problems
- Management of crisis

UNIT VIII

- In service education
- Introduction to nature and scope of in service education programme
- Principles of adult learning
- Planning for in service programme
- Techniques and methods of staff education programme
- Evaluation of in service programme

PRACTICAL

- Each student should:
- Conduct five planned teaching using different methods and media.
- Prepare different types of teaching aids.
- Plan, organize and conduct in service education programme
- Conduct at least one counseling session
- Prepare rotation plans.

INTRODUCTION TO NURSING SERVICE ADMINISTRATION

- **Placement:** Second year

Time Allotted: Theory -60 Hrs
Practical -180 Hrs

COURSE CONTENTS

This course is designed to give an Opportunity to gain an understanding of the principles of administration and its application to nursing service. It is also intended to assist the students 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 behavior, styles and functions of effective leadership.

COURSE CONTENTS

UNIT I

- Principles and practice of Administration
- Significance, elements and principles of administration
- Organization of Hospital- Definition, aims, functions and classification, health team. Policies of hospital, different departments wards, special emphasis to department of nursing and office management.

- Responsibilities of the nursing personnel specially of ward sister, medicolegal aspects, concepts of cost effectiveness.

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 quality nursing care, nursing audit.

UNIT III

- Personnel management
- Staff recruitment and selection , appointment, promotions, personnel policies and job descriptions.
- Job analysis
- Staffing the unit, staffing norms, rotation plans ,leave planning, performance, appraisal, staff welfare and management of disciplinary problems.

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, safekeeping
- Role of nursing personnel in 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 practice ward management under supervision.
- Student will 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 Allotted: Theory-45 Hrs

Practical -120 Hrs

COURSE DESCRIPTION

The course is designed to assist the students 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 the projects and solve problems related to nursing using scientific method.

OBJECTIVES

At the end of the course, the student will:

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

COURSE CONTENTS

A. INTRODUCTION TO RESEACH METHODOLOGY

UNIT 1

- 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 measure – Frequencies, class interval, graphic methods of describing frequency
- Measures of central tendency- Mode, Median, and mode.
- Measures of variability: Range, standard deviation
- Introduction to normal probability.

UNIT VIII

- Correlation**
- Computation of rank difference methods.
- Uses of correlation co-efficient.

UNIT IX

- Biostatistics: crude rates and standardized rates, ratio and estimation of the trends.

UNIT X

- Introduction to computer in nursing
- Introduction to computers and disk operating system.

- Introduction to word processing
- Introduction to data base
- Windows applications, word, excel, PowerPoint, multimedia.
- Use of statistical packages.
- Introduction to Internet and use of electronic mail.
- Computer aided teaching and 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 practices, improved practices of nursing (procedures), health records, patient records and survey of nursing literature.
