

# **SHRI GURU RAM RAI UNIVERSITY**

(Estd. by Government of Uttarakhand vide 'Act' (No. 03) of 2017) PATELNAGAR,  
DEHRADUN-248001, UTTARAKHAND, INDIA



## **SYLLABUS**

**Course: Post Basic B.Sc. (NURSING)**

## **POST BASIC B.Sc NURSING**

### **AIMS**

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

1. Assume responsibilities as professional, competent nurses and midwives at basic level in providing, promotive, preventive curative, and rehabilitative services.
2. Make independent decisions in nursing situations, 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, they are also expected to assume the role of teacher, supervisor, manager in a clinical / public health settings

### **OBJECTIVES**

On completion of B.Sc Nursing (Post Basic) degree programme 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.

## COURSES OF STUDY

S.N	Subject	Hours theory	Hours
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	60	30
8.	Medical & surgical nursing	90	270
9.	English (Qualifying)	60	
	<b>Total</b>	<b>525</b>	<b>810</b>

**Note:** Hindi / local language as per the need of the institution

### Final year

10.	Sociology	60	
11.	Community health nursing	60	240
12.	Mental health nursing	60	240
13.	Introduction to nursing Education	60	75
14.	Introduction to nursing	60	180
15.	Introduction to nursing research	45	120
	<b>Total</b>	<b>345</b>	<b>855</b>

## SCHEME OF EXAMINATION

### **PART I**

<b>Subject</b>	<b>ASSESSMENT</b>			
	<b>Hours</b>	<b>Internal</b>	<b>External</b>	<b>Total</b>
Nursing Foundation	2	15	35	50
Nutrition & Dietetics	2	15	35	50
Biochemistry & Biophysics	3	25	75	100
Psychology	3	25	75	100
Microbiology	3	25	75	100
Maternal Nursing	3	25	75	100
Child Health Nursing	3	25	75	100
Medical & Surgical Nursing	3	25	75	100
English (Qualifying)	3	25	75	100
<b>Practical &amp; Viva</b>				
Medical & Surgical Nursing		50	50	100
Maternal Health Nursing		50	50	100
Child Health Nursing		50	50	100

### **PART II**

<b>Subject</b>	<b>ASSESSMENT</b>			
	<b>Hours</b>	<b>Internal</b>	<b>External</b>	<b>Total</b>
Sociology	3	25	75	100
Community Health Nursing	3	25	75	100
Mental Health Nursing	3	25	75	100
Introduction to Nursing Education	3	25	75	100
Introduction to Nursing Administration	3	25	75	100
Introduction to Nursing Research & Statistics	2	50	-	50

<b>Practical &amp; Viva</b>				
Community Health Nursing	-	50	50	100
Mental Health Nursing	-	50	50	100
Research project	-	50	50	50

### SCHEME OF EXAMINATION OF PB B SC NURSING PROGRAM

1. Minimum pass marks shall be 50% in each of theory & practical paper separately except English papers for which the minimum pass marks shall be 40% of the total prescribed marks.
2. The candidate must have minimum of 80% attendance (irrespective of the kind of absence.) In theory & practical in each subject for appearing in examination.
3. A candidate must have 100% attendance in each of the clinical areas before award of the degree.
4. A candidate has to pass in theory & practical exam separately in each of the paper.
5. If the candidate fails in either theory or practical exam he/she has to reappear for both the papers (Theory & practical).
6. There shall be annual examination and second examination for the remanded candidates within a period of 6 months after declaration of result.
7. Maximum number of attempts permitted for each paper is 3 including first attempt.
8. Candidate who have failed in more than 3 core papers in Part I will be declared failed and will not be Provisionally promoted to the next class.
9. A candidate who is not declared fail (supplementary/Provisionally promoted) of a part of the course in first attempt may be provisionally promoted to next part and his/her promotion shall be confirmed only in case he pass remaining papers in subsequent second examination of that part.
10. In case candidate could not clear remaining papers in second attempt, his provisional promotion shall stand cancelled; though he would be eligible to avail third attempt to clear remaining papers in next annual examination.
11. Candidate who failed to pass in all papers of a part of the course in three attempts are required to reappear for all the papers and for which he/she should rejoin the class from the beginning of the new session.
12. Candidate who declared failed in more than 3 core papers in Part I, shall be given attempt in second examination, In case he/she pass in all subject cannot be promoted unless new session starts.
13. Candidate shall not be permitted to the subsequent higher examination unless the candidate has passed the previous examination.
14. The maximum period to complete the course successfully should not exceed 4 years.
15. Maximum number of candidates for practical examination should not exceed 20 per day.
16. All practical examinations must be held in the respective clinical areas.
17. One internal & one external examiner should jointly conduct the practical exam for each student.
18. An practical examiner should be a M.Sc(N) in concerned subject & minimum of 3 years of teaching experience for external examiner and 1 year for internal examiner .

To be an examiner for Nursing Foundation course, faculty having M.Sc(N) with any specialty shall be considered.

**Grace marks –maximum 5 marks grace in one academic year(distribution in maximum two subjects)**

**Revaluation –25 % of total (up to even number)core subjects can be reevaluated in one academic year**

PART I – PB B Sc (N) first year

PART II –PB B Sc (N) Second year

### **AWARD OF DIVISION**

**First Class with Distinction 75% and above**

**First Class 60% and above**

**Higher Second Class 55% and above**

**Second Class 50 % and above**

## **NURSING FOUNDATION**

**Placement : First year**

**Time Allotted : Theory- 45 Hrs**

### **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
- Code of ethics & professional conduct for nurses.

### **UNIT II**

- 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 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
- Meta 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 planning 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

- Primary health care concept : community oriented nursing, holistic nursing, primary nursing.
- Family oriented nursing concept : problem oriented nursing, progressive patient care, team nursing.

### Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Nursing Foundation</b>	Barbara Kosier et al	Fundamentals of Nursing Concepts and Procedure	Addison Welsloy Publishing Co., 2007, Philadelphia.
	Potter and Perry	Fundamentals of Nursing Concepts-Process and Practice	C.V Mosby and Co., 1985, London.
	Nancy Sr	Principles and Practices of Nursing, vol. I, II,	NR Publishing Home, 1984, Indore.

## **NUTRITION & DIETETICS**

**Placement : First Year**

**Time Allotted: Theory-30 hrs**

**Practical-15 hrs**

### **COURSE DESCRIPTION**

This course is designed to provide the student 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.
- Guide available for planning.
- Food hygiene, preparation and preservation.
- Review of nutrients- micro & macro

### **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 operative stage, deficiency diseases and malnutrition, overweight and underweight

### **UNIT III**

- Infant and child and 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 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 program me: 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 – need and methods.
- Methods of assessing nutritional status of individual / group / community.
- Current nutritional problems and national programmers.

## PRACTICUM

### I. Methods of cooking and cookery rules

1. Simple preparation of beverages, 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 patient on special diet and planning of low cost dietary instruction for home adaptations.
4. Planning of therapeutic diets

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Nutrition Dietetics</b>	Swaminathan M.	Hand Book of Food and Nutrition,	Bangalore printing and publishing Co., 1970, Bangalore
	Anderson	Nutrition in Nursing	Lippincott Co., 1972, Philadelphia
	Sue Rodwell Williams C.V	Nutrition and Diet Therapy	Mosby and Co., 1977

## **BIOCHEMISTRY & 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.

### **Section A : Biochemistry**

**Theory -30 hrs**

### **COURSE CONTENTS**

#### **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, proteins and fats.
- Various factors influencing the digestion and absorption, malabsorption Syndrome.

#### **UNIT IV**

- Carbohydrates: Catabolism of carbohydrates for energy purposes
- Mitochondrial Oxidation and oxidation phosphorylation.
- Fats of glucose in the body. Storage of glucose in the body, gluconeogenesis and Neoglucogenesis, blood glucose and its regulation
- Glucose tolerance test, hyperglycemia, hypoglycemia, glycemia

#### **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.

#### **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

## **SECTION B : BIOPHYSICS**

**Theory -30 hrs**

### **COURSE CONTENTS**

#### **UNIT I**

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

#### **UNIT II**

- Vector and scalar motion, speed, velocity and acceleration

#### **UNIT III**

- Gravity : Specific gravity, center 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 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**

- Heat : Nature, measurement, 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**

- Light: Laws of reflection
- Focussing elements of the 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**

- Pressure: 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**

- 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
- M.RI. 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 –rays.

## UNIT XI

- Principles of Electronics : Common electronic equipments used in patient care.

### Practicum

- Experiments and Tests should be demonstrated wherever applicable.

### Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Biochemistry &amp; Biophysics</b>	Eastham Duncan Robert	Biochemical Values in Clinical Medicine	John Cought and Sons Ltd, 1977.
	Varley Harold	Practical Clinical Biochemistry	CBS Publishers and Distributers, 1988, New Delhi.
	Klein S. Israel and Ordan James	Human Biochemistry	Mosby Co., 1958.

# **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 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 clinical setting and thereby Understand the psychodynamics of patient would also help the student to develop an insight into her 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 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**

- 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, perception ; normal and abnormal

### **UNIT III**

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

### **UNIT IV**

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

### **UNIT V**

- Personality : Definition, Constituents of Personality
- Personality in sickness and nursing

### **UNIT VI**

- Psychological aspects of nursing
- Behaviour and sickness. Psychological needs of : Child and adolescents, Adult, Aged, Attendants, 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 : Definition
- 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**

- Concept of mental hygiene & mental health
- Characteristics of a mentally healthy person,
- Define mechanisms

## **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.

## **Reference Book**

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Psychology</b>	Andrew Mc Ghee	Psychology on Applied to Nursing	Livingstone Nursing Texts, Churchill Livingstone.
	Philip E Vernon	The Measurement of Abilities	University of London Press Ltd., 1972
	Kuppuswamy, Prabhu P.H	General Psychology	Asia Publishing Home, 1975, Bombay.

# MICROBIOLOGY

**Placement: First Year**

**Time Allotted: Theory- 60hrs**

**Practical-30 hrs**

## COURSE DESCRIPTION

This course is designed to reorient 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 microorganisms.

## OBJECTIVES

At the end of the course the student will

1. Identifies 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 dis-infection and sterilization.
5. Identify the role of the nurse in hospital infection control system.

## COURSE CONTENTS

### UNIT I

- Structure and Classification of Microbes,
- Morphological types
  - Size and form of bacteria.
- Motility
  - Classification of micro-organisms.

### Practicum:

- Use and care of micro scope.
- Common examination: Smear, Blood, Mouldes Yeasts.

## **UNIT II**

- Identification of Micro-organisms.
- Discussion of laboratory methods.
- Diagnosis of bacterial diseases.

### **Practical:**

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

## **UNIT III**

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

### **Practical:**

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

## **UNIT IV**

- Destruction of Micro-organisms.
- Sterilization and disinfection
- Chemotherapy and antibiotics
- Effects of heat and cold
- Hospital Infection control Procedure & role of nurses.

**Practical:** Sterilization methods- Physical. Chemical and Mechanical

## **UNIT V**

- Disease producing micro- organisms.
- Gram positive bacilli
- Tuberculosis and leprosy
- Anaerobes
- Cocci
- Spirochete
- Rickettsiae

**Practical:** Identification and study of the following bacteria: Streptococci, Pneumococci and staphylococci, Corynebacteria, Spirochetes and Gonococci. Enteric bacteria. Posting in infection control department.

#### **UNIT VI**

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

#### **UNIT VII**

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

**Practical:** Demonstration of serological methods.

#### **UNIT VIII**

- Parasites and Vectors.
- Characteristics and Classification of Parasites
- Protozoal infection including amoebiasis
- Helminthes 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**

- Micro-organisms transmitted through food
- Food poisoning, Food borne infections.



## Practical

Each student will practice in the laboratory as indicated in each unit of the course; 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

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Microbiology</b>	Ananthanarayan R, et al	Text Book of Microbiology	Orient Longman, 1981.
	Blackwell C. CarolineEdenburg	Principles of Infection and Immunity in Patient Care	Churchill Livingstone, 1981
	Hug L. L, Muffet, ,	Clinical Microbiology	J. B. Lippincott Co., 1981.

## **MATERNAL NURSING**

**Placement: First Year**

**Time Allotted: Theory – 60 hrs.**

**Practical-240 hr**

### **COURSE DESCRIPTION**

This course is designed to widen the student's 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 gynecological Problems.

### **OBJECTIVES**

At end or the course, the student will

1. Describe the physiology of pregnancy, labour and puerperium
2. Mange 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 CONTENTS**

#### **UNIT I**

- Introduction and historical review
- Planed parenthood
- Maternal morbidity and mortality rates
- Legislations related t 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

## **UNIT IV**

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

## **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. Ante partum hemorrhage
- Abnormal labour ( malposition & malpresentation):
- Uterine inertia
- Disorders of puerperium
- Management of engorged breast, cracked nipples, breast abscess and mastitis
- Puerperal sepsis
- Post partum hemorrhage
- Inversion and prolapsed of uterus,

- Obstetrical emergencies
- Obstetrical operations i.e. Forceps, vacuum, episiotomy section

## **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 .

### **Practicum**

#### **1. 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. Write at least two nursing care studies and do a presentation.
- e. Give at least one planned teaching to a group of mothers.

#### **2. Practice following nursing procedures:**

- a. Antenatal & post natal examination, per vaginal exam.
- b. Conduct normal delivery, stitching of episiotomy, (for male candidates minimum conduct of 5 deliveries),
- c. Motivation of family for adopting family planning methods, motivate family for planned parenthood
- d. Assist in various diagnostic and therapeutic procedures including IUD insertion and Removal

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Maternal Nursing</b>	Myles Margaret	Text Book of Midwives	Educational low priced books scheme, British Government
	Duta D.C	Text Book of Obstetrics	New central agency Ltd., Calcutta
	Dutta D. C., New	Text Book of Gynaecology	central book agency Ltd., Calcutta

## **CHILD HEALTH NURSING**

**Placement: First Year**

**Time Allotted: Theory- 60hrs**

**Practical - 240hrs**

### **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 student 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 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 post operative 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
- Gastro intestinal 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, Spinabifida.
- Hematological disorders-Anemia, thalassemia, ITP Leukaemia, haemophilia.
- 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, nursing Management in hospital and home and prevention.

- pediatric emergencies- poisoning, foreign bodies, hemorrhage, burns and Drowning

## **UNIT V**

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- Management of behaviour disorders in children
- Management of challenged children: mentally challenged, physically challenged, socially challenged

### **Practicum**

The student will:-

1. Be posted in pediatric medical and surgical ward, OPD in hospital, health Centre and neonatal unit.
2. Visit a 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/creche
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 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 a baby in incubator and on ventilator
- 21 Photo therapy
- 22. Assist in exchange transfusion and other therapeutic procedures.

**Reference Book**

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Child Health Nursing</b>	ThrismmaS	Pediatric Nursing	Lippincott, Williams & Wilkins
	Behrman, Richard K & Vaughan	Nelson,s, TextBook of Pediatrics	WB Saunders Co.,
	Alexander NM,Brown MS	Pediatric Physical Diagnosis for Nurses	McGraw-Hill Book Co., New York.

## **MEDICAL SURGICAL NURSING**

**Placement: First Year**

**Time Allotted: Theory – 90hrs**

**Practical – 270hrs**

### **COURSE DESCRIPTION**

The purpose of this course is to widen the student's 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**

- Introduction to medical surgical nursing ,
- Review of concepts of comprehensive nursing care in medical surgical conditions
- Nurse, patient and his/her 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 under going surgery,
- Incontinence.

### **UNIT III**

- 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 accident, cranial, spinal and peripheral neuropathies, head – ache and intractable pain, epilepsy, infectious and inflammatory diseases and trauma of the nervous system, common disorders of the system, recent advances in diagnostic and treatment modalities, drugs used in these disorders, tumors of brain & spinal cord, congenital malformation, degenerative diseases.

## **UNIT IV**

- Nursing management of patient with cardiovascular problems
- Review of relevant anatomy and physiology of cardio vascular 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, heart block,
- Cardiac Emergencies : cardiac arrest, acute pulmonary Oedema, cardiac Tamponade, Cardiogenic shock, aneurysms and peripherovascular disorders, recent advancement in Cardillogy

## **UNIT V**

- Nursing management of patient with respiratory problems .
- Review of an atomy and physiology of respiratory systems, pathophysiology, diagnostic procedures and management of upper respiratory tract infections : Bronchitis, Asthma, Emphysema, Empyema, Atelectasis , COPD, Bronchiectasis, Pneumonia, Pulmonary Tuberculosis, Lung abscess, Pleural effusion, Tumours and Cysts, Chest injuries, Respiratory arrest and insufficiency, Pulmonary embolism, Drugs used 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 genitor –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 hyper – trophy.

## **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 & malabsorption syndrome, cholecystitis hepatitis, hepatic coma and cirrhosis of liver, portal hypertension, pancreatitis tumors, hernias, fistulas, fissures, hemorrhoids.
- Drugs used in the management of these patients

## **UNIT VIII**

- Nursing management of patients and endocrine problems
- Review, of anatomy and physiology and patho- physiology 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**

- Nursing management of patients with musculoskeletal 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 patients with above 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. And V.V.F

Climateric 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 radio therapy
- Preventive measures, other therapies.

#### **UNIT XII**

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

#### **UNIT XIII**

- Nursing management of patient with common communicable diseases & STUS
- Nursing management of patient with immunological disorders including HIV / AIDS

#### **UNIT XIV**

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

#### **UNIT XV**

- Nursing management of patients with blood disorders.
- Review of Anatomy & Physiology of Blood and Blood products
- Patho- Physiology, 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 counseling 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 should be rotated in the selected medical surgical areas like Cardio Thoracic, Neurology, Urology Orthopedics, Gynecology, Oncology, Burns and Reconstructive surgical units.
- The student should be given patient assignment. They have the practice patient centered comprehensive nursing
- Each student is required to give planned health teaching conduct clinical teaching, case presentation and drug study

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Medical &amp; Surgical Nursing</b>	Suzanne C. Smeltzer, Brenda G. Bare	Brunner and Suddarth's textbook of medical surgical nursing	Lippincott, Williams & Wilkins
	Joyce M. Black	Medical surgical nursing	Saunders publishers Elsevier
	Bruno Peulenik, Patrick Maxial,	Medical Surgical Nursing- Pathophysiological Concept	J.B. Lippincott Co. Philadelphia





## **ENGLISH**

**Placement :First Year**

**Time Allotted:**

**Theory - 60hrs**

### **COURSE DESCRIPTION**

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

### **.OBJECTIVES**

After me course, me student win develop

- Ability to speak and write grammatically correct English
- Effective skill in reading and understanding the English language
- 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 taking, dairy, nurses notes, anecdotal records, writing of summary, nurses reports on health problems, the student will submit one sample of each item from her on practical experience.

## UNIT IV

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

### Practicum

- The clinical experience in the wards and bed side nursing will provide opportunity for 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

### Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>English (Qualifying)</b>	Tikkoo M. L., et al	Intermediate Composition	Orient Longman Publication.
	Sidhu	An Intensive Course in English – A Remedial Work Book	Orient Longman Publication
	Jain R.C., Mac-	English Grammar and Composition	Milan Publication

# **SOCIOLOGY**

**Placement: Second Year**

**Time Allotted: Theory - 60hrs**

## **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 content**

#### **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 & rural community 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 & 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.

#### **Reference Book**

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Sociology</b>	Sachdeva V and Bhushan	An Introduction to Sociology	Kitab Mahal Ltd., 1974, Allahabad.
	Gupta Dipankar	Social Stratification	Oxford University Press, 1991, New Delhi
	Shankar Rao C.N	Introducing Sociology	Jai Bharat Prakashana Manglore.



# COMMUNITY HEALTH NURSING

**Placement:** Second Year

**Time Allotted:** Theory- 60hrs

Practical -240 hrs

## 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 principle of prevention and control of illness in the community.
5. Identify the role of personnel working in the community health set lip.
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 -Community nursing process.
- Objectives, scope and principles of community health nursing

### UNIT II

- Family Health Services
- Concept, objectives, scope and principles.42
- 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.
- Care of the sick in the home, physically handicapped and mentally challenged.
- Surveillance and monitoring

### **UNIT III**

- Organization and administration of health service 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

### **UNIT IV**

- Health Education
- Aims, concepts and scope of health education,
- National plan for health education
- Communication techniques
- Methods and media for health education programme
- 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 ideal, state, national 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 gaining experience in identifying family health needs, health counseling and guidance and family budgeting for optimum health.
- The students will participate in the activities of primary health centre, Sub- centre, MCH Centre.
- Visits will be made to selected health and welfare agencies, water purification Plant and sewage disposal plant. Infectious disease hospital.
- Conduct health educational programmes for individual/groups/community.

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Community Health Nursing</b>	Park K	Text Book of Preventive and Social Medicine,	Ms Banarsidas Bhanhot Co, Jabalpur.
	Rao S. Kasthi	An Introduction to Community Health Nursing	B. I. Publishers, Madras.

	Clark, June & Jill Handerson	Community Health	Churchill Livingstone, New York.
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## **MENTAL HEALTH NURSING**

**Placement: Second Year**

**Time Allotted: Theory- 60hrs**

**Practical -240 hrs**

### **COURSE DESCRIPTION**

This course enable the student to recognize and appreciate the causes, symptoms and process of abnormal human behaviour. It also introduces the student to the present day treatment modalities in the light of psychological, social & cultural factors affecting human behaviours. This course help the student to learn principles of mental health & psychiatric nursing and to develop beginning skills in the management of the mentally ill in hospital & 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 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 behaviour.
- 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, 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 VII**

- Therapeutic Modalities
- Principles, indication, contraindications and role of nurse in various treatment methods;
- Therapeutic community and Milieu therapy
- Occupational therapy

- Psychotherapy
- Behaviour therapy
- Group therapy
- Family therapy
- Pharmacotherapy
- 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 Programmes.

## **PRACTICUM**

- The student will be provided opportunity to:
  - Observe record and report the behaviour 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,
  - School/ special Schools (For mentally subnormal ),
  - Mental Hospital,
  - Community mental health centers,
  - De-addiction centre.



**Reference:**

1. Sadock K. (1998) Synopsis of psychiatry 8th edition, William and Wilkins Baltimore, USA.
2. Stuart & Sweden, Psychiatric Nursing (1998 C.V. Mosby company
3. Lego, Snganne, The American Hand book of Psychiatric Nursing J.B. Lippin Cott Company, Philadelphia .
4. Gelder M. Oxford, Textbook of Psychiatry 3rd Edition, Me’v York, Oxford University Press.
5. Elizabeth , Manual of psychiatric Nursing care plan, 2nd edition

**Reference Book**

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Mental Health Nursing</b>	Stuart W. G. Sundeen J. S	Principles and Practice of Psychiatric Nursing	Mosby Year book, 1991
	Coleman C. J	Abnormal Psychology and Modern Life	P. B. Tara and Sons Co. Pvt Ltd., 1982.
	Beck M. C. Rawtins P. R. and et al	Mental Health – Psychiatric Nursing	The C.V.Mosby Co., Ltd

## INTRODUCTION TO NURSING EDUCATION

**Placement :** Second year

**Time Allotted:** Theory – 60hrs

Practical -75hrs

### 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 student 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 Meaning 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 clinic

Conference ( individual and group)

Recording of interactional process.

### **UNIT IV**

- Educational media
- The communication process; factors affecting communication.
- Purposes and types of audio-visual aids.
- Graphics aid : Chalk-board, charts, graphs, posters, flash cards, flannel graph, bulletin, cartoon
- Three dimensional aids: objects, specimens, models, puppets.

- Printed aids: pamphlets and leaflets
- Projected aids; slides, films and televisions, VCR,. VCP, overhead projector, camera.
- Projected aids; slides, films and televisions, VCR, VCP, microscope.
- Audio-aids: tape-recorder, public addressing 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. Check list. 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 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.
- Quality assurance and Accreditation policies
- Role of Nursing council and professional organization to maintain quality.

## **UNIT VII**

- Guidance and Counseling - Definition
- Basic principles of guidance and counselling

- 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

### **PRACTICUM**

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 counselling session.
- Prepare rotation plans.

### **Reference:**

1. Dr. A. Kurian George, Principles of curriculum development & evaluation - 2002
2. Guilbert J.J Educational Hand Book for Health Personnel, WHO publication, 1997.
3. Sampath K. Introduction to Educational Technology.
4. Sankaranarayanan and Sindhu, Learning and Teaching Nursing (lat. End) Brainfill, Calicut.
5. Kochhar, Guidance and Counselling in Colleges and universities, Sterling publication.
6. Aggarwal J.C., Principles, Methods and techniques of teaching, New Delhi, Vikas publishing house.
7. Curriculum Guide for Schools of Nursing. - INC



## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Introduction to Nursing Education</b>	Hedgerken Loretta E	Teaching and Learning in School of Nursing	J.B. Lippincott Co.,
	Tomyay de Rheba, Thompson, Willey	Strategies for Teaching Nursing	Medical Publisher, 1982, New York

## **INTRODUCTION TO NURSING SERVICE ADMINISTRATION**

**Placement :** Second year

**Time Allotted:** Theory- 60hrs

Practical - 180 hrs

### **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 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 behaviour, 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 classifications, health team,
- Policies of hospital, different departments with special emphasis to department of nursing & office management.
- Responsibilities of the nursing personnel specially of ward sister, medico legal aspects, concept 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 patients records and reports, legal responsibilities.
- 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 plan, 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 program
- Skill training
- Leadership development.
- Problem solving process.

## **UNIT V**

- Material Management
- Principles of material management,

- Quality control.
- Inventory, care of equipment, safekeeping
- Role of nursing personnel in material management

#### **UNIT VI**

- Financial Management
- Budgeting principles of budgeting, audit

#### **UNIT VII**

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

#### **PRACTICUM**

- Observe the functioning of nursing administration at various level 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 School of Nursing and write observation reports.

#### **References**

1. Basanthappa B.T., Nursing administration, (lat. Edn) Jaypee brothers, Medical publisher, New Delhi.
2. Barret, Jean, Ward Management and teaching-Himalayan Books, New Delhi.
3. Chatterjee S.S An introduction to management-its principles and techniques, World Press, Calcutta.

## Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Introduction to Nursing Administration</b>	Jean Barrett	Ward Management and Teaching	Himalayan Books, New Delhi
	Goyal R.C	Hospital Personal Management	Prentice Hall India, New Delhi
	Awasthi	Public Administration	Makeshwar, Publication Laxmi Narayan Agarwal, 1987.

## 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 project(s) 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 need and scope of nursing research
3. Identify and define a research problem
4. Locate and list 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

### Reference Book

	<b>Author</b>	<b>Name of the Book</b>	<b>Publishers</b>
<b>Introduction to Nursing Research &amp; Statistics</b>	Polit. D. F. and Hungler, B. P	Essentials of Nursing Research	J. B. Lippincott Co., Philadelphia.
	Basavanthappa B.T	Nursing Research	Jaypee Brothers, 2003, New Delhi
	Mahajan B.K	Methods in Biostatistics	Jaypee medical publication, 1999, New Delhi.

## **COURSE CONTENTS**

### **A. INTRODUCTION TO RESEARCH METHODOLOGY - 35 hrs**

#### **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 measure- 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 coefficient.

### **UNIT IX**

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

### **UNIT X**

- Introduction to computers in nursing
- Introduction to computers and disk-operating system
- Introduction to word processing
- Introduction to data base

## **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).

### **Reference**

1. Polit and Hungler, Nursing Research J.B. Lippincott (Latest edn.)
2. Treece and Treece, Elements of Research in Nursing C.V. Mosby Company.
3. Nieswiadomy, Rose Marie, Foundations of Nursing Research (5th edn), Pearson Education, New Delhi.
4. Burns Nancy & Grove Susan K., Understanding Nursing Research (lat. Edn), Elsevier, New Delhi (Indian edition).