



**PRAVARA INSTITUTE OF MEDICAL SCIENCES
(DEEMED TO BE UNIVERSITY)**

**Loni, Tal. Rahata, Dist. Ahmednagar 413736
NAAC Re-accredited with 'A' Grade**

SYLLABUS

P.B.B.Sc. Nursing Programme

Smt. Sindhutai Eknathrao Vikhe Patil College of Nursing
(Implemented from Academic Year 2023-24)

Post Basic B.Sc. Nursing Syllabus

Amended Vide Academic Council Resolution No. 10 /AC/2008 dated 12th September 2008
and

Amended Vide Academic Council Resolution No. 30/AC/2013 dated 03rd August 2013
and

Amended Vide Academic Resolution No. AC/2016/03 dated 26th August 2016
and

Amended Vide Academic Resolution No. AC/2018/19/D-19 dated 14th March 2018
and

Amended Vide Academic Resolution No. AC/2019/16/D-16 dated 20th March 2019
and

Amended Vide Academic Resolutions No. AC/2019/D-13(iii)(iv)(v)(vi) dated 06th September 2019
and

Amended Vide Academic Resolution No. AC/2020/D-13(i) dated 18th February 2020
and

Amended Vide Academic Resolution No. AC/2020/D-13(iii) dated 11th December 2020
and

Amended Vide Academic Council Resolution No. AC/2024(1)/D-1(i), dated 25th January 2024

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MISSION

Service to the Rural Poor.

VISION

Improve ‘Quality of Life’ of the Rural People.

APPROACH

Integrated, Holistic, Problem Solving and Community Oriented.

AIMS:

The aim of the Undergraduate nursing program at the post basic Level is to upgrade the diploma (GNM) to :

- Assume responsibilities as professional competent nurses and midwives at basic level in providing promotive preventive , curative and rehabilitative services.
- Make independent decision 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 , manger in a clinical / public health setting .

OBJECTIVES:

On the completion of Post Basic B.Sc. Nursing 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 individual families and communities .
2. Demonstrate competency in technique 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 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 individual and groups in community health settings.
7. Demonstrate managerial skills in Community health setting.
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.

PHILOSOPHY

PIMS, College Of Nursing believes that –

Health is a state of well-being that enables a person to lead a psychologically, socially, economically productive life. Nursing contributes to health services in vital and significant way in the health care delivery system. It aims at identifying health needs of the people; planning & providing quality care in collaboration with other health professionals & community groups and help individuals to attain independence in self-care.

The Faculty assumes responsibility for teaching, service, research and management. It recognizes the need for participation of teachers & students in all these areas of integrated service development through quality care in nursing. The teachers create learning environment that enables students to acquire inquiry driven, self-directed learning and foster an attitude of life-long learning.

The college believes in training professional nurses from all states of India to meet the great challenges of services in the field of nursing and prepares its students to become exemplary citizen by adhering to the code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

It also believes that an individual from rural areas learn to adopt in an environment where he/she develops awareness & achieves participation as a member of faculty, community & society by involving him/herself as part & parcel of health care delivery system.

ADMISSION REQUIREMENTS (Eligibility)

- Candidate must have passed the Higher Secondary or Senior Secondary or Intermediate or 10+2 or an equivalent examination recognized by the university for this purpose.
- Those who have done 10 +2 in or before 1986 will be eligible for admission
- Obtained a certificate in General Nursing and Midwifery and registered as R.N.R.M with the State Nurses Registration Council. A male nurse, trained before the implementation of the new integrated course besides being registered as a nurse with State Nurses registration Council, shall produce evidence of training approved by the Indian Nursing Council for a similar duration in lieu of midwifery in any one of the following areas (O.T Techniques. Ophthalmic Nursing, Leprosy Nursing, TB Nursing, Psychiatric Nursing, Neurological and Neurosurgical Nursing, Community Health Nursing, Cancer Nursing and Orthopedic Nursing)
- Candidates shall be medically fit.

COURSE OF STUDY**FIRST YEAR**

Sr.No.	Subject	Hours Theory	Hours Practical
1	Nursing Foundation	45	--
2	Nutrition & Dietetics	35	15
3	Biochemistry & Biophysics	60	--
4	Psychology	60	15
5	Microbiology	45	15
6	Maternal Nursing	62	240
7	Child Health Nursing	65	240
8	Medical & Surgical Nursing	112	270
9	English (Qualifying)*	60	--
10	Universal Human Values & Personality Development- I	---	30
Total		544	825

SECOND YEAR

Sr.No.	Subject	Hours Theory	Hours Practical
11	Sociology	60	--
12	Community Health Nursing	65	240
13	Mental Health Nursing	65	240
14	Introduction to Nursing Education	60	75
15	Introduction to Nursing Administration	60	180
16	Introduction to Nursing Research & Statistics	45	120
17	Bioethics	30	--
18	Universal Human Values & Personality Development-II	--	30
Total		385	885

SCHEME OF EXAMINATION

PAPER	SUBJECT	DURATION	INT. ASS.	EXT. ASS.	TOTAL MARKS
First Year: 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	Maternal Nursing		50	50	100
3	Child Health Nursing		50	50	100
Second Year: 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 Administration	3	25	75	100
6	Introduction to Nursing Research & Statistics	2	50		100
Practicals					
7	Community Health Nursing		50	50	100
8	Mental health Nursing		50	50	100
9	Research Project		50	50	100

Note: * Qualifying Examination

N.B:

1. Teaching of Anatomy , Physiology , Pharmacology , and Pathology , will be integrated with clinical subject.
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
6. The candidate if fail in more than one/two subjects in any nursing programme they an be promoted to next year.
7. No student will be allowed to appear for the University Examination unless he/she obtains 50% marks in Internal Assessment for each subject/course separately.
8. The Dean/Principal should certify that the candidate appearing for University Examination stratifies the above conditions
9. A candidate can take any number of attempts with conditions that maximum period allowed is as prescribe for each nursing programme ie. P.B.B.Sc Nursing is four years
10. However all papers need to be cleared before appearing in the final examination.

NURSING FOUNDATION

Placement : First Year P.B.B.Sc. Nursing.

Theory: Theory- 45 Hours.

Credit :03

COURSE DESCRIPTION :

This course will help 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 developments in the nursing profession.

OBJECTIVES:

At the end of the course, the students 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 or quality assurance in nursing.

COURSE CONTENT:

UNIT I Introduction

Must Know (04 Hours)

6 Hrs

- Development of Nursing as a Profession
- Philosophy
- Objectives and responsibilities of a graduate nurse
- Trends influencing nursing practice
- Expanded role of the nurse
- Code of ethics & professional conduct for nurses.

Desirable to Know (02 Hours)

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

UNIT II Concepts of Health and illness.

12 Hrs

Must Know (10Hours)

- Concepts of Health and illness effects on the person
- Health care concepts and nursing care concept

Desirable to Know (02 Hours)

- Developmental concepts, needs, roles and problems of the developmental stages of individual – newborn, infant, toddler, preadolescent, adolescent, adulthood, middle age, old age.

UNIT III Theory of Nursing Practice

5 Hrs

- • Meta paradigm of nursing
- Characterized by four central concepts i.e.
 - o Nurse, Person (client/patient). Health and Environment.
- Nursing Theory:
 - o Florence Nightingale
 - o Virginia Henderson
 - o Betty Neumen
 - o Dorothea Orem
 - o Martha Rogers etc.

UNIT IV

10 Hrs

- Nursing Process
- Nursing diagnosis – Definitions, concepts, statements, types, interpretation
- 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

6 Hrs

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

UNIT VI

6 Hrs

- Primary health care concepts:
 - o Community oriented nursing
 - o Holistic nursing
 - o Primary nursing
- Family oriented nursing concepts:
 - o Problem oriented nursing
 - o Progressive patient care
 - o Team nursing.

PRACTICUM :

- Teaching Learning Activities.
- Nursing process application.
- Select one patient and write nursing care plan.
- Select one client from OPD / Community / Peer Group and write nursing care plan.

NUTRITION & DIETETICS

Placement : First Year P.B.B.Sc. Nursing.

Time Allotted: Theory- 35 Hours.

Practical: 15 Hours.

COURSE DESCRIPTION:

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

OBJECTIVES :

At the end of the course, the students 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 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 & macro.

UNIT II

8 Hrs

- 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

8 Hrs

- Infant and child nutrition
- Feeding of normal 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 – malnutrition, under nutrition, other nutrients deficiency.

- Feeding pre-school child: nutritional needs, factors to be considered in planning diets.
Problems in feeding
- School Lunch Programme: Advantages, Need in India.

UNIT IV

6 Hrs

- Community nutrition: Need for community nutrition programme.
- Nutritional needs for special groups: infant, child, adolescent, Pregnant and lactating mother and old people.
- Substitutes for non-vegetarian foods.
- Selection of cheap and nutritious foods. Nutrition education needs and methods.
- Methods of assessing nutritional status of individual / group /community.
- Current nutritional problems and national programmes (mid day meal etc.)

Unit - V

5 hours

Dietetics in Ayurveda

- Introduction
- Health and wellbeing
- Principle of Ayurveda Diet
- Various types of diet and its preparation.
- Effects and benefits
- Evidence based practice in dietetics in ayurveda.

PRACTICUM

I. Methods of cooking and cookery rules.

1. Simple preparation of beverages, soups, cereals and pulses, eggs, vegetables, meat, multipurpose food snacks.
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 instructions for home adaptations.
4. Planning of therapeutic diets.

BIOCHEMISTRY & BIOPHYSICS

Placement: First Year P.B.B.Sc. Nursing

Time Allotted:

Section A (Biochemistry)- Theory 30 Hours

Section B (Biophysics) - Theory 30 Hours

COURSE DESCRIPTION : BIOCHEMISTRY

The broad goal of teaching Biochemistry to Nursing students is to enable them to understand, the chemical processes taking place in the human body in health and disease. This will help them to increase the quality of patient care.

OBJECTIVES :

At the end of the course, the students will

1. Identify the basic principles of Biochemistry
2. Understand and grasp the basic outline of chemistry and properties of important biomolecules like glucose, urea, etc
3. Summarize the working of enzymes and their importance as diagnostic tools for the clinician.
4. Describe the mechanisms involved in maintenance of body fluids along with electrolytes.
5. Be able to understand the concepts of laboratory medicine, which involves learning about physiological levels of important biomolecules and the underlying cause of change in these levels in disease states.

COURSE DISCRIPTION :BIOPHYSICS

The broad goal of teaching Biophysics to nursing students is to enable them to understand the application of physics principles while providing nursing care to the patients.

Section A: Biochemistry

Theory–30 Hours.

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 - Distribution of water and its functions in human body (ECF & ICF)
- Water & Fluid balance
- Electrolyte Distribution and its functions in body
- Dehydration causes and consequences
- Electrolyte imbalance – causes, hypo and hypernatremia and kalemia

UNIT III

5 Hrs

- Enzymes: Definition
- Mechanism of action
 - o Factors affecting enzyme activities
 - o Enzymes in clinical diagnosis and its applications
 - o Precautions for handling specimens for enzymes estimation
- Digestion and Absorption of carbohydrates, proteins and lipids.
- Various Factors influencing the digestion and absorption malabsorption syndrome.

UNIT IV

5 Hrs

- Carbohydrates: Catabolism of carbohydrates for energy purposes.
- Mitochondrial oxidation and oxidation phosphorylation.
- Elementary outline of Electron transport chain (ETC) and Biological oxidation
- Elementary consideration of Mono, di and polysaccharides
- Fate of glucose in the body including gluconeogenesis, glycogenesis, glycolysis, glycogenolysis, storage of glucose.
- Outline and Importance of TCA Cycle (Kreb’s cycle)
- Regulation of blood glucose levels. Glucose Tolerance test (GTT)
- Hyperglycemia, Hypoglycemia.

UNIT V

5 Hrs

- Proteins – Amino acids & hormones
 - o Protein Chemistry
- Essential amino acids, properties and functions
- Important polypeptides
- Plasma Proteins and their functions
- Nucleic acids
- DNA, RNA
- Bio-synthesis of proteins in the cells and Role of nucleic acids in protein synthesis
- Nitrogenous constituents of Urine, blood their origin Urea cycle and Nitrogen balance. Uric Acid formation, gout.

UNIT VI

6 Hrs

- Lipids: Biological Importance of important lipids and their functions
- Cholesterol and Lipoprotein
 - o Sources, occurrence and distribution
 - o Blood levels and Metabolism
 - o Ketone body formation and its utilization.
- Biosynthesis of fats and storage of fats (Oxidation)
- Role of liver in fat metabolism. Fatty liver, its causes and prevention
- Goal of lipid metabolism in Atherosclerosis and Heart diseases.
- Causes and detection of ketosis.

UNIT VII

5 Hrs

- Inter-relationship in metabolism & cellular control of metabolic process
 - o Carbohydrates, Lipids, a Protein, minerals metabolism
 - o Nutrition calorie value of food, BMR, SDA, Balance Diet.

SECTION B- BIOPHYSICS

Theory – 30 Hours

COURSE CONTENTS

UNIT I	2 Hrs
<ul style="list-style-type: none">• Introduction: Concepts of unit and measurements.• Fundamental and derived units.• Unit length, weight, mass, time.	
UNIT II	2 Hrs
<ul style="list-style-type: none">• Vector and scalar motion, speed, velocity and acceleration<ul style="list-style-type: none">o Newton’s law of motion.	
UNIT III	3 Hrs
<ul style="list-style-type: none">• 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	3 Hrs
<ul style="list-style-type: none">• Force, Work & Energies: 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
<ul style="list-style-type: none">• 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	3 Hrs
<ul style="list-style-type: none">• Light: Laws of reflection• Focusing 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

3 Hrs

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

UNIT VIII

2 Hrs

- 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 : Name 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.R.I. Scanning, CAT Scan.

UNIT X

2 Hrs

- Nuclear Physics
- 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

2 Hrs

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

Practicum

- Experiments and tests should be demonstrated wherever applicable.

PSYCHOLOGY

Placement: First Year P.B.B.Sc. Nursing

Time Allotted: Theory- 60 Hours

Practical : 15 Hours.

COURSE DESCRIPTION :

This course is designed to orient students with regards to psychological principles, and widen their knowledge of the fundamentals of psychology. The course offers students an opportunity to understand the psychodynamics of patient behavior and to apply theoretical concepts in practical settings.

OBJECTIVES :

The course aims towards the developing students skills in –

1. Analysing her own thought and behavior patterns
2. Using psychological principles to improve her efficiency in nursing care
3. Applying psychological principles while performing nursing duties
4. Distinguishing psychological processes during health and sickness
5. Planning nursing care with regards to psychological needs and concerns
6. Participating in psychological assessment of patients.

COURSE CONTENT:

UNIT I

3 Hrs

- Introduction to psychology: Definition, history and scope, branches and methods
- Relationship with other subjects
- Psychology and the student nurse
- Habits and skills

UNIT II

6 Hrs

- Sensation, Attention and Perception: Definition.
- Sensory processes: Problems in sensation
- Attention – Definition, characteristics and types
 - o Factors affecting attention
 - o Distraction and sustaining attention
- Perception – Definition and characteristics

o Perception of form, depth and movement o Types and difficulties in perception o Problems and nursing care	
UNIT III	6 Hrs
<ul style="list-style-type: none">• Motivation: Definition, nature and theories• Needs and motives – Biological and social• Frustration and conflicts• Types of conflicts• Self actualization• Application in nursing care	
UNIT IV	5 Hrs
<ul style="list-style-type: none">• Emotion: Definition and meaning, theories<ul style="list-style-type: none">o Expressions and perceptionso Emotions in sickness,o Application in nursing care	
UNIT V	7 Hrs
<ul style="list-style-type: none">• Personality: Definition, nature, factors influencing personality.• Theories of personality development<ul style="list-style-type: none">o Defence mechanism• Psychological problems• Personality disorders and nursing	
UNIT VI	5 Hrs
<ul style="list-style-type: none">• Psychological aspects of nursing• Behaviour during sickness<ul style="list-style-type: none">o Understanding the cliento Psychological approach in nursing careo Psychological needs of child, adolescent, adult, agedo Chronically ill and attendants	
UNIT VII	4 Hrs
<ul style="list-style-type: none">• Individual difference: Definition and significance• Heredity and environment• Role in health and sickness• Implications in nursing	
UNIT VIII	6 Hrs
<ul style="list-style-type: none">• Intelligence and abilities: Definitions and nature, theories	

- o Psychological testing and measurement
- o Mental retardation and IQ
- Intelligence and abilities during sickness

UNIT IX

5 Hrs

- Learning: Definition, nature and conditioning theories
- Learning process, laws and types and factors
- Learning during health and sickness
- Forgetting during health and sickness

UNIT X

5 Hrs

- Memory and forgetting.
- Memory: Definition and nature
 - o Memory models and factors affecting memory
 - o Methods to improve memory
 - o Forgetting – Definition, explanation of forgetting
- Memory & Forgetting during health and sickness.

UNIT XI

5 Hrs

- Attitudes: Definition and nature, theories
 - o Factors influencing attitude formation
- Role of attitudes in health and sickness

UNIT XII

3 Hrs

- Mental hygiene - Concepts and meaning of mental hygiene
 - o Characteristics of a mentally healthy person
 - o Factors influencing mental health

PRACTICUM

- Simple experiments on (i) perception (ii) measuring thresholds (iii) reaction time.
- Administration of Psychological tests
- Observation and recording data: (i) field observation (ii) interview (iii) case study (iv) self-rating.

MICROBIOLOGY

Placement: First Year P.B.B.Sc. Nursing

Time Allotted: Theory- 45 Hours

Practical- 15 Hours

COURSE DESCRIPTION :

This course reorients 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:

After the course the students will develop

1. Identify common disease causing organisms
2. Basic principles of Microbiology & its significance in health & disease
3. Handling of infective specimens
4. Various methods of sterilization & disinfection
5. Role of nurse in hospital infection control system.

COURSE CONTENTS:

UNIT I

3 Hrs

- Introduction
- General Microbiology : History, (Fracostoriues of Verona to the Latest Nobe Laureates short note on Pasteur and Koch)
- Microscope (Types – dissecting to Electron measuring scale upto nanometer)

UNIT II

3 Hrs

- General microbiology
 - o Morphology and Physiology (Size, Shape, structure, spore, flagella, capsule)
 - o Staining (demonstration) Gram's + Z N's + Motility.

UNIT III

5 Hrs

- Bacterial growth requirement
- Growth requirement of Bacteria + Bacteria growth curve
- Cultural media different
- Collection processing of sample and bacteria.

UNIT IV**5 Hrs**

- Sterilization & Disinfection: Sterilization + Disinfections
- Sterilization of instruments, Different disinfectants dilute
- Hospital infection control Bio-safety - Fumigation and role of nurse
- Bacterial genetics (emphasis to drug resistance) Host parasite relationship.

UNIT V**10 Hrs**

- Systemic Bacteriology
(Morpho, growth requirements, diseases caused vaccine epideo)
 - o Pyogenic cocci causing diseases Staphylococci, Streptococci and Pneumococci and Neisseria
 - o Salmonella + Shigella
 - o E coli diarrhea + Cholera + Pseudomonas
 - o C. diptheria + Chlamydia
 - o Anaerobes intro. + C. welchii
 - o C. tetani + nonsporing anaerobes mention diseases: Tuberculosis, Leprosy
 - o Spirocheate + Leptospira
 - o Chlamydia
- Demo different morphology of bacteria G + C, G + B, GNC, GNB
- Demo of organism Spore, Capsule, fungi, AFB.

UNIT VI**5 Hrs**

- Systemic Mycology
 - o Fungi intro., Dermatophytes
 - o Mycetophytes
 - o Mycetoma, Rhino, Crypto, Candida and Lab. Diagnosis of fungal infections.

UNIT VII**5 Hrs**

- Immunology:
- Immunity
 - o Antigen
 - o Antibody
 - o Ag X Ab reaction serological
 - o Immune Response
 - o Hypersensitivity.

UNIT VIII**10 Hrs**

- Systematic Parasitology: Introduction.

- o Classification and some terms
- o Amoeba + Giardia
- o Trichomonas + Leishmania
- o Malaria + Toxoplasma
- o Cestodes (Taenia sodium and saginata E. granuloses)
- o Intestinal Nematodes
- o Tissue Nematodes
- o Vectors
- Different Parasites and vectors stool preparation demo.

UNIT IX

8 Hrs

- Systematic Virology:
- Gen. Prop. Cultivation classification
 - o Herpes virus
 - o Picorna virus
 - o Measles, Mumps, Chicken pox
 - o Ortho and Arbo (Dengue)
 - o Rhabdo virus
 - o Hepatitis virus
- HIV and AIDS.

UNIT X

6 Hrs

- Clinical Microbiology:
 - o PUO, UTI, STD, Wound infection
 - o Micro – organism transmitted through food
 - o Food poisoning, food born infection.

PRACTICUM :

Each student will practice in 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 P.B.B.Sc. Nursing

Time Allotted-Theory: 62 Hours.

Practical: 240 Hours.

COURSE DESCRIPTION:

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

OBJECTIVES:

At the end of the course, the student will be able to:

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

COURSE CONTENT:

UNIT I

7 Hrs

- Introduction and historical review
 - a) Early history of midwifery and evolution of obstetrics
- Maternity care and practices in various culture across the world.
- Expanded role of the nurse in maternity and gynaecology.
 - a) Safe motherhood initiative
- Maternal mortality, morbidity and perinatal mortality.
- Legislation related to maternal benefits, MTP acts, incentives and Family planning. Family welfare programme.
- **Introduction to Labour Room and Quality improvement Initiative :LaQshya programme,** Quality care for pregnant women in labour room, Maternity Operation theatre, Obstetrics Intensive Care units and High dependency unit.

UNIT II

6 Hrs

- Anatomy and Physiology of female reproductive system:
 - o Review of anatomy and physiology of female reproductive system.

- o Female pelvis and foetal skull.
- Menstrual cycle
- Human reproduction, gametogenesis, fertilization, embryo.
 - o Placenta, foetal membrane, liquor amnii, umbilical cord.
 - o The foetus, foetal growth, foetal physiology, foetal circulation

UNIT III

8 Hrs

- Normal Pregnancy:
 - o Physiological changes during pregnancy
 - o Diagnosis of pregnancy and antenatal care
 - o Antenatal assessment of foetal well being.
 - o Physiology of normal labour
 - o Mechanism of normal labour.
- Management of I, II, and III stages of labour.
- Physiology of puerperium.
 - o Physiology of lactation and breast feeding
- Management of normal puerperium

UNIT IV

6 Hrs

- New Born Baby:
 - o Resuscitation and immediate care of newborn. including SGA & LGA
 - o Normal characteristics and essential care of newborn.
 - o Asphyxia Neonatarum, respiratory distress, Jaundice in newborn.
 - o Birth injuries, congenital anomalies, infection in newborn, and vomiting in newborn.
 - o Still birth – incidence, causes and prevention.
 - o Care of low birth weight babies in labour room and nursery /NICU.

UNIT V

5 Hrs

Medical disorders in pregnancy

- Hypertensive disorders – Pregnancy induced hypertension, Eclampsia.
- Anaemia in pregnancy
- Diabetes mellitus in pregnancy
- Heart diseases
- Renal disorders in pregnancy
- Jaundice in pregnancy
- Pulmonary TB
- Pregnancy with STD, HIV / AIDS.
- Abortion

- Hydatiform mole
- Ectopic pregnancy
- Medical termination of pregnancy
- Antepartum haemorrhage – Placenta previa, Abruptio placenta
- Vomiting in pregnancy
- Pregnancy in Rh negative women
- Multiple pregnancy, hydramnios
- Preterm labour
- Premature rupture of membrane, IUGR, postdatism.
- Pregnancy with previous caesarean section
- Fibroid with pregnancy
- Ovarian tumour with pregnancy.

UNIT VI

10 Hrs

- High risk Labour
- Abnormal presentation – Unstable lie, Occipitoposterior, face and brow presentation breech presentation, compound presentation
- Abnormal uterine action in labour and active management of labour
- Contracted pelvis and CPD
- Obstructed labour, rupture of uterus, injuries of maternal birth canal, cord prolapse.

UNIT VII

3 Hrs

- Abnormalities of puerperium
 - o Puerperial pyrexia and sepsis
 - o Post partum haemorrhage
 - o Breast complications – Breast engorgement, breast abscess, acute mastitis
- Psychiatric disorders in puerperium.

UNIT VIII

4 Hrs

- Obstetrical emergencies & operative obstetrics
 - o Uterine rupture, cervical tear.
 - o Use of instruments – Episiotomy Forcep, Vacuum
- Caesarean section

UNIT IX

3Hrs

- Pharmaco-therapeutics
 - o Oxytocins, Prostaglandins – use in obstetrics
 - o Anaesthesia and analgesics used in obstetrics.

UNIT X

2 Hrs

- Special investigations in obstetrics:
 - o USG, NST, CTG.
 - o Radiography.

UNIT XI

4 Hrs

- Current trends in reproductive health(RCH)
 - o Infertility, genetic counseling
 - o Unwanted pregnancy
 - o Unwed mother.
 - o Advances in obstetrics and maternity care.

UNIT XII

4 Hrs

GYNAECOLOGICAL NURSING :

- Common Gynaecological Problems
 - o Cervical erosions, Carcinoma Fibroids, Uterine and Cervical Prolaps, Uterine Inversion etc

PRACTICUM:

Practice following nursing procedures:

- Antenatal, Postnatal & per vaginal exam.
- Conduct normal delivery (For male candidates minimum conduct of 5 deliveries)
- Motivation of Planned Parenthood, advice on family planning methods.
- Assist in various diagnostic & therapeutic procedure including IUD insertion & removal.
- Follow Nursing process in providing care to 36 patients.

Practical:

1. Case study : Two
2. Case presentation : One
3. Clinical evaluation
 - a. ANC/ LABOUR ROOM/ PNC
4. Group Health teaching (One)
5. Nursing care Plan (Gynaec one)

CHILD HEALTH NURSING

Placement: First Year P.B.B.Sc. Nursing

Time Allotted- Theory: 65 Hours.

Practical : 240 Hours.

COURSE DESCRIPTION:

This course is aimed at developing an understanding of the modern approach to child care, the principles of child health nursing and the common problems of neonates and children in health and sickness.

OBJECTIVES:

At the end of the course, the students will be able to:

1. Explain the modern concept of child care and the principles of child health nursing.
2. Describe the normal growth and development of children in various age groups.
3. Explain the physiological response of body to disease conditions in children.
4. Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions.
5. Identify the various preventive, promotive and rehabilitative aspects of child care and apply them in providing nursing care to children in the hospital and in the community.

COURSE CONTENT:

UNIT I

8 Hrs

- Introduction to child health nursing:
 - o Modern concept of child care
 - o Internationally accepted rights of the child
 - o Changing trends in hospital care, preventive, promotive and curative aspects of child health Child morbidity and mortality rates
- National policy and legislation's in relation to child health and welfare.
- National programmes related to child health and welfare.
 - o Differences between adult and child
- Hospital environment for a sick child and role of a paediatric nurse in caring for the hospitalized child.
- Principles of pre and post operative care of infants and children

- Pediatric nursing procedures Preparation of child for diagnostic tests, collection of specimens, calculation and administration of oral and parenteral medication, feeding, administration of oxygen, nebulisation, exchange transfusion, restraints.

UNIT II

12 Hrs

- The Healthy Child:
 - o Growth & development
 - o Principles & factors affecting growth & development.
 - o Assessment of growth and development
 - o Growth & development from birth to adolescence, needs of normal children through stages of development and parental guidance.
- Nutritional needs of infants and children, principles of paediatric nutrition
- Breast feeding
- Artificial feeding & Weaning
 - o Infancy ,toddler, pre-schooler, school age child and adolescents.
- Role of play in children
 - o Need, importance and value of play, selection of play material and nurse's role.
- Preventive immunization.

UNIT III

4 Hrs

- Care of the Newborn:
 - o Characteristics and care of a newborn.
 - o Asphyxia neonatorum & neonatal resuscitation.
 - o Low birth weight infants
- Nursing management of common neonatal disorders.
- Neonatal jaundice & photo therapy
 - o Neonatal sepsis & hypoglycemia
 - o Organization of Neonatal units, Prevention & Control of infection
 - o Critical care concept in child health.

UNIT IV

32 Hrs

- Nursing management of common childhood illness:
 - a) Nutritional deficiency disorders.
 - o Protein energy malnutrition
 - o Vitamin deficiency disorders (Rickets, scurvy, Vit A deficiency disorders)
 - b) Respiratory diseases & disorders .
 - o Acute bronchitis & Bronchiolitis, Pneumonia, Bronchial Asthma

- c) Disorders of the gastrointestinal system.
 - o Acute gastroenteritis
 - o Tracheo esophageal fistula
 - o Cleft lip and palate
 - o Hypertrophic
 - o Pyloric Stenosis
 - o Hirschsprung's disease & Intestinal Obstruction
 - o Anorectal anomalies
- d) Cardiovascular system
 - o Rheumatic fever
 - o Congenital heart diseases
 - o Congestive cardiac failure
- e) Disorders of Genito urinary System
 - o Acute glomerulo nephritis
 - o Nephrotic Syndrome
 - o Wilm's tumour & Congenital disorders
- f) Neurological disorders
 - o Convulsions in children & Epilepsy
 - o Meningitis.

UNIT V

4 Hrs

- Management of behavioural problems in children.
- Childhood illness:
 - o Enuresis, Encoprecis, temper tantrums somnambulism, juvenile delinquency, speech defects, tics, pica, antisocial behaviour.
- Management of challenged children
 - o Need for early diagnosis ,treatment and rehabilitation of Mentally challenged – Mental retardation
 - o Physically challenged – Cerebral palsy
 - o Socially challenged – Child abuse & child labour

Unit VI Sports Nursing

05 Hrs

- Clinical evaluation and diagnosis
- Immediate and emergency care
- Treatment and rehabilitation
- Diet (specific nutritional requirement of sportsmen)
- Common health problems and it's prevention, promotion and protection of health
- Role of nurse

Practical:

1. Case study = two
 - One Paediatric Medical
 - One paediatric surgical
2. Case presentation one
3. Clinical evaluation of compressive nursing care
 - One paediatric medical
 - One paediatric surgical
 - One NICU
4. Health teaching
5. Assessment of growth and development
(Preterm baby, Infant, Toddler, Preschooler, and Schooler)

MEDICAL-SURGICAL NURSING

Placement: First Year P.B.B.Sc. Nursing

Time Allotted- Theory: 112 Hours.

Practical: 270 Hours.

COURSE DESCRIPTION:

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

OBJECTIVES:

At the end of the course, the F Y P.B.B.Sc. Nursing students will:

1. Explain relevant Anatomy & Physiology of various systems of the body.
2. Explain etiology, pathophysiology & manifestations of various disorders.
3. Explain the actions, side effects & nursing implications in administering drugs for various disorders.
4. Discuss the recent advancement in the investigations, treatment & 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 & their families in identifying & meeting their own health needs.
7. Provide planned & incidental health education on various aspects related to disorder & relevant care.
8. Appreciate the role of the nurse in the Medical Surgical health team.

COURSE CONTENT:

UNIT I

4 Hrs

- Introduction to medical surgical nursing:
 - o Review of concepts of comprehensive nursing care in medical surgical conditions.
 - o Nurse, patient & his/her family
 - o Functions of nurse in the outpatient department.

- o Intensive care units. Client's needs & nursing care.

UNIT II

10 Hrs

- Nursing management of patients with specific problems:
 - o Fluid & electrolyte imbalance.
 - o Dyspnoea, cough & respiratory obstruction.
 - o Fever & nursing care.
 - o Shock & nursing care.
 - o Unconscious Patient & nursing care.
 - o Pain perception & nursing care.
 - o Acute & chronic illness & nursing care.
 - o Terminal illness & nursing care.
 - o Ageing & illness & nursing care.
 - o Pre & postoperative care.
 - o Nursing care of clients with incontinence.

UNIT III

8 Hrs

- Nursing management of patient with neurological and neurosurgical conditions:
 - o Review of anatomy & physiology of Nervous System & assessment of clients with Neurological disorders.
 - o Pathophysiology, diagnostic procedures.
 - o Management of cerebro-vascular accident, cranial, Spinal, and peripheral neuropathies.
 - o Headache and intractable pain, epilepsy
 - o Infectious and inflammatory diseases and trauma of the Nervous System. Common disorders of the system.
 - o Recent advances in diagnostic and treatment modalities.
 - o Tumor of brain & spinal cord, congenital malformations, degenerative diseases.
- Drugs used in these disorders.

UNIT IV

8 Hrs

- Nursing management of patients with cardiovascular problems.
 - o Review of relevant anatomy & physiology of cardiovascular system & assessment of clients with cardiovascular disorders.
 - o Pathophysiology, Diagnostic procedures & management of ischemic heart disease.
 - o Cardiac arrhythmias.
 - o Congestive cardiac failure.
 - o Rheumatic & other valvular heart diseases.

- o Endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block.
- o Cardiac emergencies: cardiac arrest, acute pulmonary oedema,
- o Cardiac tamponade, cardiogenic shock, aneurisms & periphero vascular disorders.
- Recent advancement in cardiology.

UNIT V

6 Hrs

- Nursing management of patient with respiratory problems:
 - o Review of anatomy & physiology of respiratory system & assessment of clients with respiratory disorders.
 - o Pathophysiology, diagnostic procedures.
 - o Management of upper and lower respiratory track infection
 - o Bronchitis, bronchiectasis, Asthama, emphysema, empyema, atelectasis, COPD.
- Nursing care- Chest injuries, resp. arrest & insufficiency
- Special respiratory therapies & drugs used in the management.

UNIT VI

5 Hrs

- Nursing management of clients with genitourinary problems
 - o Review of anatomy & physiology of the genitourinary system & assessment of clients with genitourinary problems.
 - o Pathophysiology & management of congenital disorders, urinary infections.
 - o Nephritis, renal calculi.
 - o Acute renal failure, chronic renal failure, end stage renal disease.
 - o Special procedures : dialysis, renal transplant.
 - o Benign prostatic hypertrophy.
- Drugs used in the management of these patients.

UNIT VII

10 Hrs

- Nursing Management of client with digestive systems:
- Review of anatomy & physiology of digestive systems& assessment of clients with Gastrointestinal tract disorders.
 - o Pathophysiology, diagnostic procedures.
 - o Management of- Gastrointestinal bleeding, peptic ulcer, acute abdomen, infections colitis, diarrhea, dysentery and malformation syndrome.
 - o 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

5 Hrs

- Nursing management of patients with endocrine problems:
 - o Review of anatomy & physiology & assessment of clients with endocrine disorders.
 - o Pathophysiology, diagnostic procedures & - management of Thyroid disorders.
 - o Diabetes mellitus, diabetes insipidus. adrenal tumours, pituitary disorders.
- Drugs used, & nursing management of patient with above problems.

UNIT IX

5 Hrs

- Nursing management of patients with musculo-skeletal problems:
 - o Review of anatomy, physiology & assessment of patients with musculoskeletal disorders.
 - o Pathophysiology and diagnostic procedure.
 - o Management of :- Osteomalacia, osteoporosis, osteomyelitis, bursitis, Fractures, dislocation & trauma., Prolapsed disc.
 - o Prosthesis & rehabilitation.
- Transplant & replacement surgeries.

UNIT X

3 Hrs

- Nursing management of patients with disorders of female reproductive tract.
- Disorders of menstruation & infection of genital tract.
 - o *Benign & malignant tumours of genital tract & RVF & VVF.
 - o * Climacteric changes & associated problems.

UNIT XI

7 Hrs

- Nursing management of patients with oncological disorders:
 - o Types of neoplasms & related patho-physiology, diagnostic procedures, modalities of treatment & nurses' role.
- Special therapies : chemotherapy & radiotherapy & nursing care.
- Preventive measures, other therapies.
- Sharing bad news, Steps to deliver difficult news, common responses to bad news
Collusions: Hiding information and communications with a dying child

UNIT XII

3 Hrs

- Nursing management of patients with burns & reconstructive surgeries:
 - o Pathophysiology, assessment & nursing management of patients with burns.

- Nursing management of patients with reconstructive surgeries.

UNIT XIII

5 Hrs

- Nursing management of patients with communicable diseases:
 - o STDs & HIV/AIDS.
- 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
 - o EYE, EAR, NOSE, THROAT & SKIN.
- Assessment & nursing management of patients with eye disorders. (eye injuries, cataract, infection, blindness)
- Assessment & nursing management of patient with ear disorders (deafness).
- Assessment & nursing management of patients with nose & throat disorders.(DNS, tonsillitis).
- Assessment & nursing management of patients with skin disorders. (fungal inf., herpes, psoriasis etc)

UNIT XV

5 Hrs

- Nursing management of patients with blood disorders:
 - o Review of anatomy & physiology of blood & blood products.
 - o Pathophysiology, diagnostic procedures & management of blood disorders.
 - o Anaemia, leukaemia.
 - o Bleeding disorders, haemophilia, purpura etc.
 - o Blood transfusion, safety checks, procedure & requirements,
- Management: adverse transfusion reaction, records for blood transfusion.
- Management & counseling of blood donors, phlebotomy procedure, & post donation management.
- Blood bank functioning & hospital transfusion committee.
- Biosafety & waste management in relation to blood transfusion.

UNIT XVI

3 Hrs

- Nursing in emergencies.
 - o Trauma.
 - o Poisoning.
 - o Crisis

Unit XVII: Complementary and Alternative therapy **5 Hrs**

- Alternative Medicine system
- Mind – Body Interaction
- Manipulation and Body Based Methods
- Biologically Based Therapies
- Energy Therapies
- Nurses role

Unit XVIII: Biomechanics and medical equipments **2 Hrs**

- Medical equipments used in patient care
- Electrical, technical and computer aspects of medical equipments operation
- Patient safety
- Risk management
- Quality assurance
- Role of nurse

Unit XIX: Forensic Nursing **04 Hrs**

- History of forensic nursing
- Injuries and weapons
- Toxicology
- Sexual offences
- Criminal behavior
- Investigation and forensic significance
- Collection and preservation of samples
- Medico legal autopsy
- Role of nurse

Unit XX: Electromagnetics on health **04 Hrs**

- Electromagnetic fields (ionizing and non ionizing including cell phones)
- Health hazards
- Effects on health and pregnancy
- Electromagnetics and cancer
- Electromagnetics and central nervous system
- Electromagnetic field and cancer
- Safety measures
- Management of electromagnetic exposure
- Role of nurse

Unit XXI: Care of patients with dental problems **05 Hrs**

- Assessment of patient with dental problems
- Dental Examination

- Examination instruments and procedures
- Caries and its management
- Prevention and management of dental problems
- Malocclusions, infections and its management
- Root canal treatment including ultrasonic scaling

PRACTICUM :

1) Case study – two

(One medical & one surgical nursing.)

2) Case Presentation – two

Any specialty i.e., ENT/Ophthalmology/Skin/Burns.

3) Nursing care plans

i.e., Neurology/Orthopedic/Cardiology/Oncology.

4) Clinical Evaluation Comprehensive Nursing Care

i.e., medical Nursing, Surgical Nursing, Critical Care Units.

ENGLISH

Placement: First Year P.B.B.Sc. Nursing

Time Allotted- Theory: 60 Hours.

COURSE DESCRIPTION:

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

OBJECTIVES:

After the course the students will develop:

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

COURSE CONTENT:

UNIT I	15 Hrs
<ul style="list-style-type: none"> • Remedial study of Grammar <ul style="list-style-type: none"> - Review of grammar, vocabulary and effective use of dictionary - Prepare task oriented seminars, Symposia and panel discussion. 	
UNIT II	10 Hrs
<ul style="list-style-type: none"> • The ability to understand selected passage and express meaning in one's own words. • Reading and comprehension of the prescribed books 	
UNIT III	20 Hrs
<ul style="list-style-type: none"> • The study of various forms of composition <ul style="list-style-type: none"> o Note taking o Diary - Nurses notes, anecdotal records o Writing of summary • Nurses reports on health problems • The students will submit one sample of each item from his/her own practical experience. 	
UNIT IV	15 Hrs
<ul style="list-style-type: none"> • Verbal communication <ul style="list-style-type: none"> o Oral reports o Summarization of discussion o Debate • Listening comprehension – Film, Cassette and Radio. 	

UNIVERSAL HUMAN VALUES PERSONALITY DEVELOPMENT

Placement: First Year

Time Allotted: 30 hours

Contents

1. Introduction
2. The Extended Family
3. Society and the Community
4. Managing one's Affairs with Rectitude of Conduct
5. Rectitude of Conduct
6. Creating Environments of Unity Built on Diversity
7. Unity of Action
8. Exercising Initiative in a disciplined and Creative Way
9. Fostering Initiative.

SECOND YEAR P.B.B.Sc NURSING

SOCIOLOGY

Placement: Second Year P.B.B.Sc. Nursing

Time Allotted- Theory: 60 Hours

COURSE DESCRIPTION:

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

OBJECTIVES:

At the end of the course, the student will:

- Describe sociological concepts applicable to nursing
- Determine role of sociology in nursing as related to social institutes in India.
- Develop positive attitudes towards individual family and community.

COURSE CONTENT:

UNIT I

5Hrs

- Introduction of sociology to nursing: Behavioral sciences, social sciences, arts and sciences meaning, fields and scope, their relationship with nursing
- Concepts of social development and indicators of health, role of nurse as a social scientist and change agent in health for all.
- Development of medical sociology – meaning, fields, scope, sociology and nursing methodology of sociology, sociology as science.
- Meaning, definition, scope and significance of sociology, contribution of August Comte, Durkheim, Max Weber, Maciver to the development of sociology.
- Contribution of Indian sociologists such as Radhakamal Mukherjee, Ghurye, Kapadiah Srinivas.
- Individual and society, their relationship with each other approaches to study their interdependent atomism and holism and contract theory.

UNIT II

15 Hrs

- Fundamental concepts in sociology:
 - o Concepts its meaning, utility –primary concepts in sociology – institutions, association, organization meanings, definitions, functions, comparison.
 - o Groups – types, classification, meanings, definitions, characteristics of primary and secondary groups. Their comparison, ingroup, outgroup,

- reference group
- o Social groups crowds features, characteristics type, nature, formation of crowd, public, audience as a group, public opinion, nation, race
- o Society development of society from primitive, slavery, feudal, capitalist to complex.
- o Relevance of societal knowledge to health workers.
- o Human society and animal society comparison uniqueness of Human society language, adaptation of man to nature, environment, ecology from primitive to modern development with reference to health practices.
- Indian society: its peculiarities – tribal community, rural community and comparison, pachayat raj doctrine of karma dharma artha and kama, moksha, ashram in traditional hindu society.
- Status and role – type, function, characteristics of status and role, relationship between status and role, doctor’s role, nurses role, patients role.
- Concepts of structure and functions – elements definition meanings of structure and function, interdependence, social dysfunction causes.
- Social system – definition, meanings characteristics, prerequisite of social system, type of social system - Social stratification – features, significance (or functions) and functional necessities if stratification forms of stratification – caste and class
- Caste system unique feature of Indian social system, nature of caste system, hierarchy, segmental division, restrictions or taboos, civil and religious disabilities, limited choice of occupation, endogamy advantage maintaining partly of genes Dr. G.S. Guyrye’s contribution
- Class system – division three upper, middle, lower, features, characteristics Karl Marx’s theory of class formation, distinction between class and caste.

UNIT III

10 Hrs

- Social Institutions:
 - o Features, functions (role) meanings, definitions, distinction between institutions and community, institutions and association, institutions and society, various social institutions
- Norms as social institutions, meanings, definitions, characteristics, classifications of norms
 - o Mores, taboos, customs, folkways, fashion fads, laws institutionalize.
- Marriage as institution, definition, meanings, nature, type, characteristics, forms of marriage, functions of marriage.
- Family as institution meaning, definitions, types, characteristics, functions or roles of family a basic unit or group of society
 - o Family traditional and modern, Indian family, role of women in traditional and modern
- Family, divorce, family problems, problem family.

- Role of family in health, illness and diseases, family and nurse, role of family in the context of women's and children's health in India from girl, marriage, oldage. Religion institution, definition, meanings, basic components – a system of beliefs and rituals, ancient and modern concepts. Indian set up religion Hindu, Jain, Buddhism Islam, Christianity.
- Economic as Institution – meanings, definitions stages of economic life food gathering, pastoral, agricultural, industrial
- Education Institutions – definitions, meanings, functions, roles, history of education and developments
- Politics as institutions – definitions, meanings, functions, roles, changing pattern, emperor, democracy, govt. and role of state in health. Public health.

UNIT IV

5 Hrs

- Culture:
 - o Planning definitions of culture in sociology and anthropological, components, characteristics, origin and development of culture.
 - o Nature and functions of culture variability ethnocentrism in culture.
- Culture and health behavior.
- Culture and personality, culture and civilization, cultural lag
- Culture and society, patterns of culture, inventions and discovery.

UNIT V

5 Hrs

- Social interactions: meanings, factors, influencing interaction, definition, Importance - Social process – meaning, definitions, cooperation, competition, conflicts, accommodation, assimilation, revolution and war.
- Concepts of social control meaning definition type of social control socialization, religion and sanctions, agencies of social control family, peer groups, schools, neighborhood, communication. Adult socialization, realization.

UNIT VI

5 Hrs

- Social change and progress - Social change, meanings, definitions, factors influencing social change.
- Causes of social change, theories, type – planned and natural.
 - o Social change in India
- Dr. M.N. Srinivas's concept of sanskritization, westernization and modernization.
 - o Education, urbanization, industrialization, development of transportation and communication.
- Factors affecting social change – demographic, technological, agricultural development, economic, cultural, planned change.

UNIT VII

15 Hrs

- Disorganization and social problems:
- Meaning and definition of organization and disorganization, causes of disorganization, types of disorganization – individual, family, community, effect of disorganization on
- Individual, family and community
 - o Disorganization in the Society causes, type of crime, health related problems
 - o Juvenile delinquency meaning, causes, children act,
- Government remedial measures and NGO role in the management problem. Child abuse, child labour, related health problems.
 - o Prostitution – meaning, history, type, causes welfare steps, health related problems.
 - o Alcohol drug and substance abuse causes history, impact on adolescent, family. Health related problems
 - o Poverty, unemployment, history causes Remedial measures, Health related problems
 - o Beggary meaning, causes, history Remedial measures and health related problems.
 - o Population growth and related problems population explosion and causes, consequences of rapid growth, remedies to control the growth. Eg. Population education, contraceptive, motivation, women’s education
- Visit to available social agency

COMMUNITY HEALTH NURSING

Placement: Second Year P.B.B.Sc. Nursing

Allotted Time- Theory: 65 Hours

Practical: 240 Hours

COURSE DESCRIPTION:

The course enables the students to acquire knowledge and understanding of the changing concepts of comprehensive community health nursing practice, the national health care delivery system and to participate in the delivery of community health nursing practice.

This course also broadens the understanding in public health nursing administration, responsibility of nurse for early case finding, health assessment and health education based on principles of primary health care, Nursing process approach and comprehensive nursing care to the individual, family and community.

OBJECTIVES :

At the end of the course the student will:

1. Explain the concept of various factors contributing the health of individual family and community.
2. Explain and analyze health need of individual family and community based on factors contributing to health and illness
3. Describe national health care delivery system.
4. Describes epidemiological methods and principles of prevention and control of illness in the community.
5. Study implementation of national programmes and role of CHN in prevention and control of diseases.
6. Identify the role of personnel working in the community health setup and appreciate the integrated approach to community health.
7. Plan the work of community health nurse and supervise the health workers.
8. Study concept of public health administration and role of nurse as manager and supervisor.

COURSE CONTENT:

UNIT I Introduction

8 Hrs

- Community health and community health nursing:
 - o Changing concepts of health

- o Determinants of health
- o Introduction to community health & CH Nursing
- o Principles of working in a community.
- o Primary health care: concepts and principles.
 - o Role of nurse in promoting primary health care.
 - o Health for all: concepts strategy for HFA.
 - o Community health assessment and diagnosis.
 - o Climate change and its impact on health
 - o Air pollution and its impact on health
 - o Heat wave and its impact on health

UNIT II Family Health care and services

10 Hrs

- o Concepts, Objectives scope & Principles of family health services.
- o Family as a unit of community health service.
- o Factors influencing family health and high risk families.
- o Family Health assessment, Health risk families.
- Principles and technique of home visits.
- Nursing process in family & community health care. Establishing working relationship with the family.
 - o Working with families in relation to prevention of disease and promotion of health.
 - o Care of Sick, & care of physically handicapped and mentally retarded at home
 - o Family health records.

UNIT III Health administration in India

10 Hrs

- Health care delivery system in India.
 - o Health planning, National health policy and Five Years plan
 - o Organization and administration of health services at central, state, district level and Rural Health Services (Panchayati Raj).
 - o Monitoring and evaluation and health services
 - o System of medicines.
 - o Centrally sponsored health schemes.
- Role of voluntary health organization & International Health agencies.
- Health team concept, Public health legislation.
- Community Health Nursing Administration.
- Role of health personnel in community health Practice.
- Training Programmes for various health workers.
- Management and supervision in community health nursing practice.

UNIT IV Health education

5 Hrs

- Health Education: (IEC- Information, Education, Communication).

- o Aims, concepts and scope of health education.
- o Communication and health education.
- o Methods and media for health education in community.
- o Planning for health education and role of nurse in I.E.C.
- Central Health Education Bureau.

UNIT V National health programme

15 Hrs

- Role of nurse in national health programmes:
- Development of community health services in India.
- Major health problem in India.
- National health programme for communicable and Non communicable disease.
 - o Maternal and child health programme.
 - o Nutritional programme.
 - o Family welfare
 - o School health Programme.
 - o Occupational Health Programme.
 - o Disaster Management.
- As a health team members.
- Records and reports in Community health.
- Epidemiology and nursing management of COVID 19 disease, Impact of COVID 19 pandemic on psychosocial health

UNIT VI Epidemiology

7 Hrs

- Epidemiology: Definition, Concepts, aims, objectives and methods and Principles.
 - o Epidemiology: Theories and Models.
 - o Application of Epidemiological Principles in community health.
 - o Monitoring and surveillance.
- Levels of prevention of disease.
- Epidemiology and nursing management of COVID 19 disease, Impact of COVID 19 pandemic on psycho social health

UNIT VII Bio-statistics and vital statistics

5 Hrs

- o Introduction, definition and scope, legislation.
- o 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.

UNIT VIII MLHP-Middle level health care provider

5 Hrs

- Concepts ,role and responsibilities
- Public and primary health care skills

Practical:

1. Clinical Evaluation : (family oriented care Urban Area)
2. Community Health Survey & Community diagnosis Family Health Care Study (Urban & Rural settings)
3. School Health Programme
4. Health Education
5. Rural Public Health (as per guideline)

MENTAL HEALTH NURSING

Placement: Second Year P.B.B.Sc. Nursing

Time Allotted-Theory: 65 Hours.

Practical : 240 Hours.

COURSE DESCRIPTION:

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

OBJECTIVES :

At the end of 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 skills 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 CONTENT:

UNIT I

5 Hrs

- Introduction and historical development:
 - o Review of the concept of mental health and illness & mental mechanisms.
- History of psychiatry
- Historical development of mental health nursing.
 - o Philosophy, principles of mental health and psychiatric nursing.
 - o Theoretical approaches to Psychiatric Nursing.
 - o 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

5 Hrs

- Classification and assessment of mental disorder:
 - o Terminologies used in Psychiatry
 - o Classification of mental disorders
- ICD- 10 classification
 - o Etiological
 - o Factors and psychopathology of mental disorders
- History taking and mental status examination.

UNIT III

4 Hrs

- Therapeutic communication: Communication process
- Interview skill
- Therapeutic communication techniques.
- Nurse patient Relationship.
- Therapeutic impasse and it's management
- Process recording.

UNIT IV

25 Hrs

- Management of mental disorders:
- Etiological, factors, psychopathology, types, clinical features diagnostic criteria, treatment and nursing management of patient with following disorders.
- Neurotic Disorders:
 - Anxiety disorders General & Panic
 - Depressive Neurosis

- Obsessive Compulsive Neurosis.
- Phobic Neurosis
- Hypochondriacal Neurosis.
- Stress related and Somatoform disorders
- Hysterical disorder.
- Psychotic Disorders:
- Schizophrenic disorders
- Affective disorders
- Organic Brain Syndromes – acute & chronic
- Epileptic disorders
- Sleep disorders
- Psychosomatic disorders
- Personality disorders
- **Sexual disorders:** Normal sexuality, Sexual behavior, Normal sexual cycle, Difference in erotic stimuli, masturbation, sexual learning in childhood, psychosexual factors, Sexual disorder and their management, Sexual disorder not otherwise classified
- Disorders of childhood:
 - o Specific developmental disorders, Pervasive developmental disorders, Attention deficit disorders, Conduct disorders, Enuresis & Encopresis, Speech Disorders, Habit disorders, other disorders.
 - o Adolescent disorders –Attention deficit hyper activity disorder, conduct disorder, substance abuse, depression and suicide, eating disorders, running away.

UNIT V

3 Hrs

- Management of patient with substance use disorders:
 - o Substance use and misuse
 - o Dependence, intoxication and withdrawal
 - o Classification of psychoactive substances
 - o Etiological & contributory factors
 - o Psychopathology, Clinical features, Diagnostic criteria
 - o Treatment and nursing management of patient with substance use disorders.
 - o Preventive and rehabilitative aspects in substance abuse.

UNIT VI

2 Hrs

- Management of mental subnormality / mentally challenged
- Classification of mental subnormality
- Etiological factors

- Psychopathology
- Psychometric assessment
- Diagnostic criteria and management of subnormality

UNIT VII

4 Hrs

- Psychiatric emergencies:
- Types of emergencies
- Psychopathology,
- Clinical feature, Assessment and diagnosis, Treatment and nursing management of patient with psychiatric emergencies such as Suicide, Stupor & Catatonic syndrome, Aggression, other psychiatric emergencies
- Crisis Intervention therapy.

UNIT VIII

12 Hrs

- Therapeutic modalities:
- Principles, indication, contraindications and role of nurse in various treatment method:
- Pharmacotherapy
- Therapeutic community and Milieu therapy
- Psychotherapy psychoanalysis, Behavior therapy, Cognitive Therapy, Supportive
- Therapy, Hypnosis, Abreaction, Relaxation Therapies, Biofeedback.
- Group therapy
- Family therapy
- Occupational Therapy
- Electro-convulsive therapy
- Other
- Miscellaneous therapies.

UNIT IX

5 Hrs

- Preventive psychiatry:, Model of prevention, Role of nurse in preventive psychiatry,
- Psychiatric social worker, Community mental health nursing, Community mental health Services and agencies, National mental health programme.

PRACTICUM:

1. History Taking: Two
2. MSE : Two
3. Process recording: Two
4. Nursing care plan: Two
5. Clinical performance evaluation (Male or female ward)
6. Case study: One
7. Case presentation: One
8. Drugs study
9. Health Education

INTRODUCTION TO NURSING EDUCATION

Placement: Second Year P.B.B.Sc. Nursing

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 step the steps in curriculum development and implementation of educational programme in Nursing.

OBJECTIVES

At the end of the course, the students will:

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

COURSE CONTENT:

UNIT I

5 Hrs

- Introduction to education
- Meaning, aims, function and principles
- Philosophy of education
- Factors influencing development of philosophy of Nursing education
- Nursing profession –Definition, concept, importance and characteristics of nursing profession
- Development of nursing education in India before and after independence
- Nursing education programmes in India – Basic, Post Certificate, Degree, post graduation and Ph. D.
- High power committee recommendations for nursing education
- Qualities, role and responsibilities of a nursing teacher

UNIT II**8 Hrs**

- Nursing curriculum development:
 - o Organization of Nursing Curriculum
 - o Development of Nursing Curriculum.
 - o Curriculum types
 - o Curriculum Committee
 - o Curriculum planning
- Formulating philosophy and objectives.
- Selecting learning experiences and clinical components of nursing education.
- Evaluation of curriculum.

UNIT III**5 Hrs**

- Teaching learning process:
 - o Meaning of education, aims, functions and principles of teaching
 - o Principles and maxims of teaching
 - o Formulating objectives
 - o Lesson planning
 - o Nature and characteristics of learning

UNIT IV**10 Hrs**

- Methods of teaching:
- Definition, Purposes, Advantages, Disadvantages, Steps, Procedures, Evaluation of –
 - o Lecture
 - o Discussion
 - o Demonstration
 - o Group Discussion
 - o Project
 - o Role – Play
 - o Panel discussion
 - o Symposium
 - o Seminar
 - o Field Trip
 - o Workshop
 - o Exhibition
 - o Programmed instructions
 - o Computer assisted learning
 - Clinical teaching methods
 - o Case methods
 - o Case presentation

- o Nursing rounds & Reports
- o Bedside clinics, Conference (Individual & group)
- o Recording of interaction process.

UNIT V

5 Hrs

- Educational technology:
- Educational Media
- The communication process, factors affecting communication
- Purposes and types of audio visual aids
- Graphic aids
- Chalk board, Charts, Graphs, Posters, Flash cards, flannel graph/Khadigraph, Bulletin, cartoon
- Three demonstrational aid, objects, specimen, models, Puppets
- Printed aids – slides, films and televisions, VCR, VCP
- Overhead projector, camera, microscope
- Audio aids, Tape recorder, public address system, system computer

UNIT VI

10 Hrs

- Methods of assessment.
- Purpose and scope of Evaluation & assessment
- Criteria for selection of assessment techniques & methods Blue Prints
- Assessment of knowledge, essay type questions, SAQ(Short Answer Question), LAQ (Long Answer Question), MCQ (Multiple Choice Question)
- Assessment of skills : Observation, checklist, practical examination, Viva.
- Objective structured clinical examination.
- Assessment of attitudes
- Setting of question paper
- Scoring of Answer paper
- Reforms in nursing Educational system.

UNIT VII

8 Hrs

- Management of school of nursing:
- Planning and organizing of school of Nursing
- Recruitment of teaching staff
- Budget facilities for the school
- Students selection and admission procedure
- Administrative planning for students
- Welfare service for students

- Maintenance of school Records
- Preparation of annual reports
- INC guidelines for school of nursing.

UNIT VIII

4 Hrs

- Guidance and Counseling
- Definition and basic principles
- Organization of guidance & counseling
- Counseling process
- Managing disciplinary problems
- Management of crisis.

UNIT IX

5 Hrs

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

PRACTICUM:

1. Practice Teaching : 5

Theory Teaching : 3

Clinical Teaching : 2

2. Visits to Nursing colleges and schools

3. To prepare different types of teaching Aids.

4. To prepare rotation plans

5. Study various Nursing Programme syllabus

6. To plan, organize and conduct 'one' in- service education programme

INTRODUCTION TO NURSING SERVICE ADMINISTRATION

Placement: Second Year P.B.B.Sc. Nursing

Time Allotted- Theory: 60 Hours

Practical :180 Hours

COURSE DESCRIPTION:

This course is designated to give an opportunity to the students 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 the need for professional leadership.

OBJECTIVES:

At the end of the course , the student will enable the students to:

- 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 CONTENT:

UNIT I

10 Hrs

- Principle and practice of administration:
- Significance, elements and Principles of Administration.
- Planning
- Organization
- Staffing
- Directing
- Controlling
- Coordinating
- Reporting
- Budgeting
- Administration and Organization of Hospital.
- Definition, Aims, Functions & roles of the hospital
- Classifications of Hospitals Health Team
- Ethical and legal aspects of hospital administration

- Policies of Hospital, different departments with special emphasis to the department of nursing office management
- Nursing management
- Responsibilities of nursing personnel, specially of ward sister,
- Medico–legal aspects
- Concept of cost effectiveness

UNIT II

10 Hrs

- Nursing unit management:
- Physical Lay out of a Nursing Unit
- Necessary facilities
- Factors affecting the quality of nursing care
- Maintenance of a therapeutic environment
- Administration of the nursing unit
- Management of patient care
- Maintenance of the Physical environment
- Delivery of patient care
- Assignment of duties and time plan
- Patient assignment
- Discharge Planning
- Safety measures, prevention of accidents and infections
- Maintenance of patients records and reports, legal responsibilities
- Maintenance of quality nursing care
- Nursing audit

UNIT III

10 Hrs

- Personnel management:
- Significance of Personnel management Staff recruitment and selection process appointment, promotions, transfers, remunerations, retraining, terminating
- Personnel policies
- Job specifications
- Job description
- Job Analysis
- Staffing the unit
- Staffing Philosophy
- Staffing norms
- Staffing Modules
- Patient Classification System

- Rotation plan
- Leave planning
- Performance appraisal
- Purposes of performance appraisal
- Developing and using standards
- Training Feedback
- Career Counseling
- Staff welfare activities
- Management of Disciplinary problems
- Human resource development
- Health team approach
- Collective Bargaining, Conflicts and its solutions

UNIT IV

9 Hrs

- Supervision:
- Definition, nature, need Philosophy and objectives of supervision
- Principles of supervision
- Tools and techniques of supervision
- Staff Development
- Orientation program
- In service education
- Continuing Education
- Skill training
- Assertiveness, Training for assertiveness
- Public speaking skills
- Leadership development
- Problem solving process
- Evaluation
- Nursing audit

UNIT V

9 Hrs

- Material management:
- Concept, need, Principles of Material management
- Quality control
- Inventory
- Care of equipments Stock keeping
- Role of Nursing personnel in Material management

UNIT VI

3 Hrs

- Financial Management:
- Budgeting: Nature and purposes of Budgeting
- Types of Budget
- Principles of Budgeting
- Financial Audits

UNIT VII

9 Hrs

- Organizational behavior:
- Group dynamics
- Human relations
- Morale Building
- Organization Communication
- Hospital Information system
- Public relations in Hospitals
- Leadership –Concepts, Manager behavior, Leader behavior Leadership – defined, Leadership Theories – Behavioral, Situational
- Leadership styles and functions, Transformational leadership
- Qualities of a leader
- Methods of reporting
- Maintaining records and reports.

PRACTICUM:

- Observe the functioning of Nursing administration at various levels i.e., Institutions, departments and units.
- Each student will practice ward management under supervision
- Student will prepare rotation plan of the staff duties, write reports, give verbal reports of the ward and assist in the maintaining the inventory of the nursing unit
- Develop an Assessment tool for performance appraisal
- Visit Private and Government Hospital and write observation reports
- Student will present one seminar during administration experience

Note:

Visits for Nursing administration and Nursing Education may be planned together.

INTRODUCTION TO NURSING RESEARCH & STATISTICS

Placement: Second Year P.B.B.Sc. Nursing

Time Allotted – Theory: 45 Hours

Practical :120 Hours

COURSE DESCRIPTION:

This course is designed to assist the student to develop an understanding of the basic concepts principles of research and scientific inquiry including the identification of problem and steps in research methodology. This course also introduces the basic concepts, and principles of Statistical methods, the use of computers in conducting research project in groups and use the finding in nursing practice.

OBJECTIVES:

At the end of course student will:

- 1) Define the terms and concepts of nursing research.
- 2) Identify needs and scope of nursing research.
- 3) Be able to define research problems.
- 4) Locate and list sources of literature review including operational definition and conceptual framework.
- 5) Describe different approaches and research designs in nursing research.
- 6) Describe sample and sampling technique with special reference to survey method.
- 7) Develop tool for data collection.
- 8) Able to conduct pilot study to confirm reliability and validity of tool before data collection.
- 9) To enumerate steps of data analysis and present data summary in tabular form.
- 10) Use descriptive and correlational statistics in data analysis.
- 11) Conduct group project and write report.
- 12) Use computer for research project.

COURSE CONTENT:

UNIT I	2 Hrs
<ul style="list-style-type: none"> • Introduction to research methodology: • Introduction: Research definition <ul style="list-style-type: none"> o Method of acquiring knowledge o Problem solving and scientific method o Research characteristics, purpose, scope • Steps in Research methodology. 	
UNIT II	4 Hrs
<ul style="list-style-type: none"> • Research and nursing: <ul style="list-style-type: none"> o Development of research in nursing o Purpose, scope and need of nursing research o Areas of nursing research i.e. practice, service, administration and education, health and social research o Ethics in research 	
UNIT III	3 Hrs
<ul style="list-style-type: none"> • Research design: <ul style="list-style-type: none"> o Overview of research process o Statement of the problem and research objectives o Definitions of terms variables, assumptions, operational definition, limitation, delimitation. • Hypothesis definitions, formulation and types. 	
UNIT IV	2 Hrs
<ul style="list-style-type: none"> • Review of literature: • Search for library resources • Criteria for selection of resources • Practical application of review of literature. 	
UNIT V	4 Hrs
<ul style="list-style-type: none"> • Research approaches (classification & types). • Non experimental • Survey: characteristics, types, advantages and disadvantages • Historical: sources of data, characteristics, advantages and disadvantages • Experimental: characteristics, types, advantages and disadvantages 	
UNIT VI	2 Hrs
<ul style="list-style-type: none"> • Sample & sampling technique: • Definition of population and sample • Sampling and randomness; kinds and size of samples • Probability and non probability sample. 	

UNIT VII	7 Hrs
<ul style="list-style-type: none"> • Methods of collecting data: • Preparation of tools • Types of instruments for data collection <ul style="list-style-type: none"> a) Questionnaire : Opinionnaire, Interview schedule b) Observation : records, observation checklist, rating scales. • Machineries, video tapes, films, closed circuit T.V. etc. <ul style="list-style-type: none"> a) Measurements : Physiological measurement, Physical, Chemical, Microbiological etc., Psychological measurement Psychomotor skill test, personality test, Intelligence test, Sociological test, Socio-economic standard scale, Sociometry, Health status measurement • Characteristics of good research too • Testing reliability and validity of tool. 	
UNIT VIII	2 Hrs
<ul style="list-style-type: none"> • Implementing research plan: • Data collection procedure and conditions for administration of tool. 	
UNIT IX	2 Hrs
<ul style="list-style-type: none"> • Data analysis and interpreting: • Types of data, data organization, tabulation, analysis and summarization • Structure of statistical methods : interpretation and presentation of data 	
UNIT X	2 Hrs
<ul style="list-style-type: none"> • Communication of research finding • Writing research report: composition, organization and format • Application of results; critical analysis of research report and public. 	
UNIT XI	8 Hrs
<ul style="list-style-type: none"> • Descriptive statistic: • 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 • Correlation: Computation by rank difference methods • Uses of correlation coefficient 	

UNIT XII

2 Hrs

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

UNIT XIII

5 Hrs

- Introduction to computers in nursing:
- Basics of hardware and software
- Windows application Word, Excel and Power Point
- Introduction to Database

PRACTICUM:

- Selecting and conducting small group research project (The number of students in a group can be decided depending on the availability of Nursing faculty and interest of the students)
- Group studies may include, studying existing health problem and practices, Nursing procedures, Health records, patients records and survey of Nursing literature.

Practicals :

- Research Project Report (50 marks)
- Research Project Viva (50 marks)

BIOETHICS

Placement : Second year

Time: Theory:30Hours

COURSE DESCRIPTION : The Course is designed to enable students to develop an understanding the concepts of bioethics.

Unit :I

12 hours

1. Medical Bioethics: Introduction

[Definition- Bioethics, Medical bioethics, scope and fundamentals of bioethics, Religions and fundamentals bioethics, Medical bioethics areas in practice, Historical aspects of Medical ethics, Values in medical bioethics]

2. Autonomy, Beneficence and Non-maleficence

[Autonomy, Beneficence, Non-maleficence – Definition, principles and scope for medical students, Double effect and Principle of double effect , Conflicts between autonomy and beneficence/non-maleficence, Respect for human rights]

3. Medical confidentiality

[Medical confidentiality- Definition , fundamentals of medical confidentiality]

4. Nuremberg Code

[Definition, History of Nuremberg Code , 10 points of Nuremberg Code , The Declaration of Helsinki , Revision of declaration of Helsinki]

5. Privacy

[Privacy – Definition and concept, Classification of privacy, Historical aspects, Internet privacy, Information dissemination, Invasions, Right to privacy, Privacy laws in India]

6. Whistleblower

[Definition , Historical aspects , Scope , Principles and fundamentals of Whistleblower , Medical students and whistle blowing , Right to information Act of India]

7. Biocentrism

[Definition, Scope of biocentrism, Principles of biocentrism, Human relationship with animals and environment, History and development , Biocentrism in law , Biocentrism in religion , Criticism]

8. Animal ethics

[Definition , Animal rights and animal laws in India , Animal Welfare Board of India , PETA India, World animal day, Guidelines for use of Laboratory animals in Medical Colleges under “Purpose of Control and Supervision of Experiments on Animals” (CPCSEA) Laws]

9. Medical research ethics:

[Medical research ethics – basic concepts , Importance of communication in research , control and resolution in research , Regulatory professional bodies , Ethical committee , Research guidelines , Medical research and Internet , referrals , Conflict of interest , source of support , academic research , key issues in medical research , Legal and moral values in medical research]

10. Informed consent

[Informed consent – Definition, concept , Assessment of consent , Elements of valid informed consent , Waiver of requirement , Historical aspects , Requirements of the professional , Patient competency , Consents in children , Deception , Abortion, vaccination and consent , Legal and moral values]

UNIT II

10hours

1. Human decomposition:

[Human decomposition – Definition and concept , stages of decomposition, Historical aspects]

2. Embalming

[Definition, Historical aspects, Modern practices in medical universities, Embalming and religions concept]

3. Eugenics and Euthanasia

[Eugenics – definition and concept , Practices of eugenics in world and India , Immigration and eugenics , compulsory sterilization concept , Historical aspects of eugenics , Euthanasia - definition and concept , Practices of eugenics in world and India, Legal and moral values]

4. Genetic counseling

[Genetic counselors, Conditions detectable under counseling, support and attitude towards counseling, structure and results of counseling, prenatal counseling]

5. Organ donation

[Definition, scope of organ donation , consent process , Religious views on organ donation , Shortage of organ donation , Organ donation current scenario in India, Some Notable Donators]

6. Religious practices of embalming

[Religious practices of embalming , Notable embalmings]

7. Human rights

[Human rights – Definition and concept explanation , Historical trends , Philosophy of human rights , Criticism , Classification , Indivisibility , Categorization , International humanitarian law , Regional human rights regimes , Human rights promotion, Human rights group , Human rights violations , Right to life, Freedom of speech , Freedom of thought, conscience and religion , Human rights in India, Freedom of expression]

8. Immortality

[Immortality – Definition and concept explanation, Religion and immortality , Alchemy , Causes of death , Biological immortality , Biologically immortal species , Evolution of aging , Prospects for human biological immortality - Life-extending substances , Technological immortality, Cryonics , Mind-to-computer uploading , Cybernetics , Evolutionary immortality , Ancient Greek religion , Lists of religions and immortality , Undesirability of immortality , Legal and moral values]

9. Medical futility

[Definition , concept of medical futility , Legal and moral values]

10. Oncofertility

11. Hippocratic Oath

[Hippocratic oath – Introduction, Historical aspects , Original oath , Modern oath, Use and relevance of oath]

UNIT III

4hours

1. Dichotomy and prudence

[Dichotomy and Prudence – Definition, History , Phases , ethical issues in practice Prudence in choice of tests]

2. Duty to rescue

[Duty to rescue – Definition, concept, Ethical justifications, Common law, Civil laws]

3. The Right to Information Act (RTI)

[Definition and scope of RTI , Freedom of Information Act 2002, State-level RTI Acts , Private bodies , Process of RTI , Expenses , Information Exclusions under RTI]

UNIT IV

4hours

1. Clinical ethics :

2. Professionalism: Doctor patient relationship , solidarity and cooperation, code of conduct , contract and confidentiality , Fees charge , Fees splitting issue , Drug prescription and ethics , Resources allocation , Malpractice and negligence

3. Public health ethics

UNIVERSAL HUMAN VALUES PERSONALITY DEVELOPMENT

Placement: Second Year

Time Allotted : 30 hours

Contents

1. Introduction
2. The Extended Family
3. Society and the Community
4. Managing one's Affairs with Rectitude of Conduct
5. Rectitude of Conduct
6. Creating Environments of Unity Built on Diversity
7. Unity of Action
8. Exercising Initiative in a disciplined and Creative Way
9. Fostering Initiative.



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