

Syllabus
Post Basic B.Sc. Nursing
(Revised Regulations -2019)

P.B.B.Sc. Nursing I Year						
CourseCode	Course Category	Course Title	L	T	P	C
THEORY						
19NFO1	CC	Nursing foundation	3	0	3	2.25
19ND02	FC	Nutrition & Dietetics	3	0	2	1.5
19BCBP03	FC	Biochemistry & Biophysics	3	0	0	3
19P04	FC	Psychology	3	0	0	3.75
19M05	FC	Microbiology	3	0	1	4.5
19MN06	CC	Maternal Nursing	3	0	3	15
19CHN07	CC	Child Health Nursing	3	0	3	15
19MSN08	CC	Medical & Surgical Nursing	3	0	3	18
19E09	FC	English (Qualifying)*	3	0	0	3
PRACTICAL						
19MSN08	CC	Medical & Surgical Nursing	0	0	3	13.5
19MN06	CC	Maternal Nursing	0	0	3	12
19CHN07	CC	Child health nursing	0	0	3	12

P.B.B.Sc. Nursing II Year						
CourseCode	Course Category	Course Title	L	T	P	C
THEORY						
19S010	FC	Sociology	3	0	0	3
19CHN11	CC	Community Health Nursing	3	0	3	3
19MHN12	CC	Mental Health Nursing	3	0	3	3
19NE13	CC	Introduction to Nursing Education	3	0	0	6.75
19NA14	CC	Introduction to Nursing Administration	3	0	1	12
19NRS15	CC	Nursing Research & Statistics**	3	0	2	8.25

Practical's						
19CHN11	CC	Community Health Nursing	0	0	3	12
19MHN12	CC	Mental Health Nursing	0	0	3	12
19NRS15	CC	Research Project **	0	0	3	6

Course Code	Elective courses	L	T	P	C
I YEAR					
19ECNI01	Nursing informatics	3	0	0	2
19ECRT02	Reproductive technology	3	0	2	2
19ECTLS03	Trauma in life support	3	0	2	2
19ECP004	Pediatric ortho pediatrics	3	0	3	2
19ECHA05	Hospital administration	3		3	2
II YEAR					
19ECSA06	Substance abuse	3	0	1	2
19ECMHC07	Mental health challenges	3	0	1	2
19ECBDC08	Behavior disorder among children	3	0	1	2
19ECCPSO9	Community psychiatry	3	0	1	2
19ECGC10	Gynecological cancer	3	0	2	2
	5 courses Mandatory 2 credits = 40hrs				

POST BASIC B.SC. NURSING YEAR- I (19NF01) - NURSING FOUNDATION

Placement: First Year

Time Allotted: - 45 Hrs

Credit:2.5

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 practices 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 Practices.
- Expanded role of the Nurse.
- Development of Nursing Education in India and trends in Nursing Education.
- Professional organization, career planning.
- Code of ethics & Professional conduct for Nurse

UNIT II

- Ethical, legal and other issues in Nursing.
- Concept of health and illness, effects on the person.
- Stress and adaptation.
- Health care concept and Nursing care concept.
- Development concept, needs, roles and problems of the development stages of individual new born, infant, toddler, pre-adolescent, adolescent, adulthood, middle age, old age.

UNIT III

- Theory of Nursing practices.
- 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: Teaching for planning care, types of care plans.
- Implementation: Different approaches to care, organizations and implementation of care, record.
- Evaluation: tools for evaluation, process of evaluation, types 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.

Course Outcomes (Cos)

CO1	Describe values, code of ethics and professional conduct for nurses in India
CO2	Describe the nursing standard and professional bodies' roles.
CO3	Describe theory of nursing practices and apply in Nursing process
CO4	Describe nursing process and apply in clinical setting
CO5	Explain the nursing standard and maintenance of standards in council
CO6	Describe the concept of primary health and family-oriented nursing Describe the concept of primary health and family oriented nursing.

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	2	3	3		2					2	2		1
CO2	2			1				3		2			2	3	
CO3	1	3			2		1		2		2	2			2
CO4	2	2	2	2				1			3		2	2	2
CO5	2			2			3			3			2		2
CO6	2	2				2		2		1		2	1		1

(Tick mark or level of correlation: 3-High,2-Medium, 1-Low)

(19ND02) - NUTRITION AND DIETICS

Placement: First Year

Time Allotted:

Theory - 45 Hrs Credit:2.5

Practical-15 Hrs Credit :0.75

COURSE DESCRIPTION:

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

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.
- Guidelines 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 stages, deficiency diseases and malnutrition, overweight and underweight.

Unit III

- Infant and child nutrition.
- Feeding of normal infants: factors to be considered in planning nutritional requirements.
- Feeding of premature infants: factors to be considered in planning nutritional 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 programme: Advantage, need in India.

Unit IV

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

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. Foods for toddlers.
2. Low-cost nutritious dishes for vulnerable groups.
3. Dietary case study of patient on special diet planning of low-cost dietary instructions for home adaptations.
4. Planning of therapeutic diet

Course Outcomes (Cos)

CO1	To enable students to understand and gain theory & practical knowledge on.
CO2	Different food groups and their nutritive value, biological cycles involved in metabolism.
CO3	Importance of Balanced Diet and its components.
CO4	Utilize knowledge from the physical and biological sciences as a basis for understanding the role of food and nutrients in health and disease processes.
CO5	Able to provide nutrition counseling and education to individuals, groups, and Communities throughout the lifespan using a variety of communication strategies.
CO6	Able to understand the physiological processes and functions as applicable to human nutrition

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3					3		3	3		3	3	3
CO2				2		3		3		3	3		3		2
CO3		2			3		3	2				3	2	2	3
CO4		3			3	3			1	2	2	3	2	3	
CO5	3		3				3	2		2		2			3
CO6	3	3	1	1	2	3	3		3		3		2		3

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19BCBP03) - BIOCHEMISTRY AND BIOPHYSICS

Placement: First Year

Time Allotted

Section A (Biochemistry)-Theory 30 hrs Credit 1.5

Section B (Biophysics) -Theory 30 hrs Credit 1.5

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

Course Contents

Theory – 30 hrs

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, mal-absorption 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, glycogenesis, glycogenolysis and neoglucogenesis, blood glucose and its regulation.
- Glucose tolerance test, hyperglycaemia, hypoglycaemia, 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 relationship in metabolism and cellular control of metabolic processes.

Section B: Biophysics

Course Contents

Theory – 30 hrs

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, centre of gravity, principles of gravity.
- Effect of gravitational forces on human body.
- Application of principles of gravity in Nursing.

UNIT IV

- Force, work, energy: their 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.
- Focusing elements of the eye, defective vision and 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

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

UNIT VIII

- Sound: Frequency, velocity and intensity.
- Vocalization 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.R.I. Scanning, C.A.T 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 ionizing radiation. X Rays.

UNIT XI

- Principles of electronics: Common electronic equipment's used in patient care.

PRACTICUM

- Experiments and tests should be demonstrated wherever applicable

Course Outcomes (Cos)

CO1	Describe the structure, composition and functions of cell, Differentiate between prokaryote and eukaryote cell, identify techniques of microscopy and Describe the structure and functions of cell membrane
CO2	Explain the metabolism of carbohydrates
CO3	Explain the metabolism of Lipids
CO4	Explain the metabolism of Amino acids and Proteins
CO5	Describe types, composition and utilization of Vitamins & minerals
CO6	Describe Immune-chemistry

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	3	3		3	3	3	3	3
CO2	3			3		3		3		3		3	3	2	2
CO3	3	2		2	3			2		3	3	3		2	
CO4			3	3		3		2	1		2	1	1		3
CO5	3	3			3	3				2	3	2		3	
CO6	3	3	1	1	2	3	3	2	3		3	2	2	3	3

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19P04) - PSYCHOLOGY

Placement: First Year

Time Allotted: - 60 Hrs Credit: 3

Practical: -15 hrs Credit :0.75

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 behaviours. This course would also help the student to develop an insight into her own behaviour

OBJECTIVES

At the end of course, the student will:

1. Apply psychological principles while performing Nursing duties.
2. Distinguish the psychological processes during health and sickness.
3. Analyse own behaviour 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 another subject.

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.
- Defence 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

Course Outcomes (Cos)

CO1	Describe the history, scope and methods of psychology
CO2	Explain the biology of Human behavior
CO3	Describe various cognitive processes and their applications
CO4	Describe motivation, emotions, stress, attitudes and their influence on Behavior
CO5	Explain the concepts of personality and its influence on behavior
CO6	Describe psychology of people during the life cycle

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	O10	O11	O1 2	SO1	SO2	SO3
CO1	3	3	3		3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3		3	3	2	3	3	3	3	3		2	2
CO3	3	2	3		3	3	3		2	3		3	2	2	3
CO4	3	3	3			3	3	2	1	2	2	3	2	3	3
CO5	3	3	3		3	3	3	2	3	2	3	2	3	3	3
CO6	3	3	1	1	2	3	3	2	3	2	3	2	2	3	3

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19M05) – MICROBIOLOGY

Placement: - First Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-30 hrs Credit: 1.5

COURSE DESCRIPTION:

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

OBJECTIVES

At the end of course the student will:

1. Identify common disease producing micro- organisms.
2. Explain the basic principles of microbiology and their significance in health and disease.
3. Demonstrate skill in handling specimens.
4. Explain various methods of 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.

Practical:

- Use and care of microscope.
- Common examination: Smear Blood, Moulds, and 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 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.
- Spirochaete.
- Rickettsia.

Practical:

Identification and study of the following bacteria: streptococci, Pneumococci, and Staphylococci Corynebacterium, Spirochetes and gonococci. Enteric bacteria, Posting in infection control department

UNIT VI

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

UNIT VII

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

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.

PRACTICUM

Each student will practice in the laboratory as indicated in each unit of the courses outline

While giving nursing care in the wards they will practice collection and processing of specimens, prevention and control of hospital infections, sterilization, immunization, chemotherapy and maintenance of personal and environmental hygiene. Observation visits to incinerator, posting in CSSD and infection control department.

Course Outcomes (Cos)

CO1	Explain the structure and classification of microbes
CO2	Identify the micro-organisms
CO3	Describe the grow than nutrition of microbes.
CO4	Describe the different disease producing micro-organisms
CO5	Explain the pathogenic Fungi
CO6	Describe the immunity and hypersensitivity

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	O10	O11	O1 2	SO1	SO2	SO3
CO1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2
CO3	3	2	3	3	3	3	3	2	2	3	3	3	2	2	3
CO4	3	3	3	3	3	3	3	2	1	2	2	3	2	3	3
CO5	3	3	3	2	3	3	3	2	3	2	3	2	3	3	3
CO6	3	3	1	1	2	3	3	2	3	2	3	2	2	3	3

(Tickmarkorlevelofcorrelation:3-High,2-Medium, 1-Low)

(19MN06) - MATERNAL NURSING

Placement: - First Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-240 hrs Credit: 12

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 gynaecological problems.

OBJECTIVES

At end of the course, the student will:

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

COURSE CONTENTS

UNIT I

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

UNIT II

- Review of the Anatomy and Physiology of female reproductive system.
- Female pelvis (normal and contracted).
- Review of Foetal development.

UNIT III

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

UNIT IV

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

UNIT V

- Management of abnormal pregnancy, labour and puerperium.
- Abortion, ectopic pregnancy and vesicular mole.
- Pregnancy induced hypertension, gestational diabetes, anaemia, heart disease.
- Urinary infection, Antepartum haemorrhage.
- Abnormal labour (malposition & malpresentation):
- Uterine inertia
- Disorders of puerperium
- Management of engorged breast, cracked nipples, breast abscess and mastitis
- Puerperal sepsis
- Postpartum haemorrhage
- Inversion and prolapsed of uterus, obstetrical emergencies
- Obstetrical operation i.e., forceps, vacuum, episiotomy, caesarean 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 student will:
 - a. Be posted in antenatal Clinic, MCH clinic, antenatal ward, labour room, postnatal ward, maternity OT, MTP room.
 - b. Visit welfare agencies for woman 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 health teaching to a group of mothers.
2. Practices following Nursing procedures –
- a. Antenatal & Post-natal examination, per vaginal exam.
 - b. Conduct normal delivery, stitching of episiotomy, (for male candidate minimum conduct of 5 deliveries)
 - c. Motivation of family for adopting family planning methods.
 - d. Motivate family for Planned Parenthood.
 - e. Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

Course Outcomes (Cos)

CO1	Describe the physiology of pregnancy, labour and puerperium
CO2	Manage normal pregnancy, labor and puerperium.
CO3	Explain the physiology of lactation and advice on management of breastfeeding
CO4	Be skilled in providing pre and post-operative nursing care in obstetric conditions.
CO5	Identify and manage high risk pregnancy, labor, puerperium and neonates including appropriate referrals.
CO6	Propagate the concept and motivate acceptance of family planning methods.

Mapping /Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	3			2				1	2	2		
CO2	2	1						3		2			2		3
CO3			1		2	3			2		2	2			2
CO4	2	2	2	2	1			1		3			2	2	2
CO5	2			2			1		3				2		2
CO6	2	2	1			2	1	2		3	3	2	1	3	

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19CHN07) - CHILD HEALTH NURSING

Placement: - First Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-240 hrs Credit: 12

COURSE DESCRIPTION:

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

OBJECTIVES

At the end of the course, the student will:

1. Explain the modern concept of child care and the principles of Paediatric 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 Paediatric 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 Paediatric Nurse in caring for a hospitalized child.
- Principles of Pre- and Post-operative care of infants and children. • Paediatric Nursing procedures.

UNIT II

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

- Value of play selection of play material.
- Preventive immunization.

UNIT III

- Nursing care of a neonate.
- Nursing care of a normal new-born.
- Neonatal resuscitation.
- Nursing management of a low-birth-weight baby.
- Nursing management of common neonatal disorders.
- Organization of neonatal unit. Preventive of infections in the nursery.

UNIT IV

- Nursing management in common childhood diseases.
- Nutritional deficiency disorders.
- Respiratory disorders and infections.
- Gastrointestinal infections, infestations and congenital disorders.
- Cardio vascular problem-congenital defects and rheumatic fever.
- Genito-urinary disorder – Nephrotic syndrome, Wilms’ tumour, infection and congenital disorders.
- Neurological infections and disorders- convulsions, epilepsy, meningitis, hydrocephalus, spinabifida.
- Haematological disorders – Anaemias, Thalassemia, ITP, Leukaemia, haemophilia.
- Endocrine disorders – Juvenile Diabetes Mellitus.
- Orthopaedic disorders – club foot, 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.
- Paediatric emergencies – poisoning, foreign bodies, haemorrhage, burns and drowning.

UNIT V

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

PRACTICUM

The student will:

1. Be posted in Paediatric Medical and Surgical wards, OPD in hospital, health centre and neonatal units.
2. Visit a centre for handicapped children and child welfare centre and write observation report.

3. Write an observational study of normal children of various age groups in home/ nursery school/ crèche.
4. Follow Nursing process in providing care to 3-6 children.
5. Write at least two Nursing care studies and do a presentation.
6. Give two planned health teachings, one in hospital and one in OPD / health centre.
7. Practice the following Nursing procedures: - Taking paediatric history - Physical assessment of children - Baby bath - Feeding - Restraining.
8. Calculation of dosage of drugs and administration of medications and injections.
9. Collection of specimens.
10. Enema, bowel wash, colostomy irrigation.
11. Steam and oxygen inhalation.
12. Preparation to assist with diagnostic tests and operations.
13. Examination / Assessment of a new-born.
14. Neonatal resuscitation.
15. Care of a baby in incubator and on ventilator.
16. Photo Therapy.
17. Assist in exchange transfusion and other therapeutic procedures

Course Outcomes (Cos)

CO1	Remember is remembering, recognizing and recalling important concepts. It includes factual information with right and wrong answers.
CO2	Understand is the thought processes of interpreting, exemplifying, classifying, summarizing, inferring, comparing, and explaining of interpreting, translating from one medium to another and Describing in one's own words.
CO3	Apply is executing and implementing, showing the practical use of information in one's environment. It is problem solving and applying information to produce a result.
CO4	Analyze is the processing, researching and guessing of problems or situations. It is differentiating, organizing, and attributing and includes subdividing concepts in order to show how they are put together in an effort to find the underlying structure. It allows for conclusions to be made about client care.
CO5	Evaluate is checking and critiquing. It is the examination of the plan of care and determination of its effectiveness.
CO6	Create is generating, planning, and producing. It allows for the creation of individualized plans of care.

Mapping/Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2
CO3	3	2	3	3	3	3	3	2	2	3	3	3	2	2	3
CO4	3	3	3	3	3	3	3	2	1	2	2	3	2	3	3
CO5	3	3	3	2	3	3	3	2	3	2	3	2	3	3	3
CO6	3	3	1	1	2	3	3	2	3	2	3	2	2	3	3

(Tick mark or level of correlation:3-High,2-Medium,1-Low)

(19MSN08) - MEDICAL SURGICAL NURSING

Placement: - First Year

Time Allotted

Theory-90 hrs

Credit: 4.5

Practical-270 hrs

Credit: 13.5

COURSE DESCRIPTION:

The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant Anatomy and Physiology, Pathophysiology in Medical Surgical disorders and 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 term.

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.
 - Dyspnoea and cough, Respiratory obstruction
 - Fever
 - Shock
 - Unconsciousness
 - Pain • Acute illness
 - Chronic illness
 - Terminal illness

- Age related illness
- Patient undergoing surgery
- Incontinence.

UNIT III

- Nursing management of patient with Neurological and 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.
- Headache 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.
- Tumours of brain & Spinal cord, congenital malformations, degenerative diseases.

UNIT IV

- Nursing management of patient with Cardiovascular problems.
- Review of relevant Anatomy and Physiology of Cardiovascular system.
- Pathophysiology, diagnostic procedures and management of:
- Ischemic Heart diseases
- Cardiac arrhythmias
- Congestive heart failure
- Rheumatic and other valvular heart diseases
- Endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block
- Cardiac emergencies: Cardiac Arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurysms and peripheral vascular disorders, recent advancement in cardiology.

Unit V

- Nursing management of patient with respiratory problems.
- Review of Anatomy and Physiology of respiratory system Pathophysiology, diagnostic procedures and management of upper respiratory tract infections:
- Bronchitis
- Asthma
- Emphysema, Empyema, Atelectasis, COPD
- Bronchiectasis
- Pneumonia

- Pulmonary tuberculosis
- Lung abscess • Pleural effusion
- Tumours and cysts
- Chest injuries
- Respiratory arrest and insufficiency
- Pulmonary embolism
- Drugs used in the management of these patients
- Special respiratory therapies.

UNIT VI

- Nursing management of patient with Genito-urinary problems.
- Review of Anatomy and Physiology of the Genito-urinary System
- Nephritis
- Renal calculus
- Acute renal failure
- Chronic renal failure
- End stage renal disease.
- Special procedures, dialysis, renal transplant.
- Drugs used in management of these patients.
- Congenital disorders, urinary infections.
- Benign prostate hypertrophy.

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 & mal-absorption syndrome.
 - Cholecystitis
 - Hepatitis, hepatic coma and cirrhosis of liver
 - Portal hypertension
 - Pancreatitis
 - Tumours, Hernias, Fistulas, Fissures, Haemorrhoids.
 - Drugs used in the management of these patients.

UNIT VIII

- Nursing management of patients with endocrine problems.
- Review of Anatomy and physiology and Pathophysiology of patients with:
 - Thyroid disorders
 - Diabetes mellitus
 - Diabetes insipidus
 - Adrenal tumour
 - Pituitary disorders
- Diagnostic procedures.
- Nursing management of patient with above problems.
- Drug used in Endocrine problems.

UNIT IX

- Nursing management of patients with musculoskeletal problems.
- Review of anatomy, Physiology and Pathophysiology:
 - Arthritis Osteomyelitis, Bursitis
 - Fractures, dislocation and trauma
 - Prolapsed disc
 - Osteomalacia and osteoporosis
 - Tumour
 - Amputation.
- Diagnostic procedures
- Nursing management of patients with above problems.
- Prosthesis and Rehabilitation.
- Transplant & replacement surgeries.

UNIT X

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

UNIT XI

- Nursing management of patients with Oncological disorders.
- Types of Neoplasms and related Pathophysiology.
- Diagnostic procedures.
- Modalities of treatment and nurse's role.
- Special therapies – Chemotherapy and Radiotherapy

- Preventive measures, other therapies.

UNIT XII

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

UNIT XIII

- Nursing management of patient with common communicable diseases & STD'S.
- 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 patient with blood disorders
- Review of Anatomy & Physiology of Blood & Blood products.
- Pathophysiology, diagnostic procedures and management of blood disorders:
 - Anaemia
 - Leukaemia
 - Bleeding disorders
 - Haemophilia
 - Purpura etc.
- Blood transfusion, safety checks, procedure and requirements. Management of adverse transfusion reaction, records for blood transfusion.
- Management and counselling of blood donors, phlebotomy procedure, and post donation management.
- Blood bank functioning and hospital transfusion committee
- Bio-safety and waste management in relation to blood transfusion.

UNIT XVI

- Nursing in emergencies.
- Cardiac emergencies.
- Trauma. • Poisoning.
- Crisis management: Thyroid crisis, Hypertensive crisis and Adrenal crisis.

PRACTICUM

1. Students should be rotated in the selected medical & surgical areas, like Cardio Thoracic, Neurology, Urology, Orthopaedics, Gynaecology, Oncology, and Burns and Reconstructive surgical units.
2. The students should be given patient assignment. They have practices patient centered comprehensive Nursing.
3. Each student is requested to give planned health teachings, conduct clinical teaching, case presentation and drug study.

Course Outcomes (Cos)

CO1	Explain relevant anatomy and physiology of various systems of the body.
CO2	Explain pathophysiology of various disorders.
CO3	Explain the actions, side effects and nursing implications in administering drugs for various disorders.
CO4	Discuss the recent advancement in the treatment and care of patients with medical surgical conditions.
CO5	Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
CO6	Assist the patients and their families in identifying and meeting their own health needs.

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	O10	O1 1	O1 2	SO1	SO2	SO3
CO1	3	3		3	3	3		3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2
CO3	3	2		3	3		3	2	2		3	3	2		3
CO4	3	3	3	3	3			2		2		3	2	3	3
CO5	3	3	3	2	3	3	3	2	3	2	3	2	3	3	3
CO6	3	3	1	1		3	3	2		2	3	2	2	3	

(Tick mark or level of correlation: 3-High,2-Medium,1-Low)

(19E09) – ENGLISH

Placement: -First Year

Time Allotted

Theory -60 hrs Credit: 3

COURSE DESCRIPTION:

This course is designed to help the students understand and use skills of English language required for their professional work.

OBJECTIVES

After the course the student 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 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
- Diary
- Nurse notes, Anecdotal records
- Writing of summary
- Nurses' reports on health problems. The student will submit one sample of each item from his/her own practical experience.

UNIT IV

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

PRACTICUM

1. The clinical experience in the wards and bed side nursing will provide opportunity for students to fulfil the objectives of learning language.
2. Assignment on writing and conversation through participation in Discussion, Debates, Seminars and Symposia. The students will gain further skill in task-oriented communication

Course Outcomes

CO1	Ability to Speak and write grammatically correct English.
CO2	Ability to understand select passage and express words.
CO3	Study of various forms of composition...
CO4	Develop verbal communications.
CO5	Analyze various forms of composition
CO6	Create comprehension- film, cassette and radio.

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	O10	O11	O1 2	SO1	SO2	SO3
CO1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3		3	3			3			3		2	2
CO3	3		3		3	3	3	2	2		3	3	2		3
CO4	3	3	3	3	3	3	3		1	2	2	3	2	3	3
CO5	3		3	2		3	3		3	2			3	3	3
CO6	3	3	1	1	2	3	3	2	3	2	3	2	2	3	3

(Tick mark or level of correlation: 3-High,2-Medium, 1-Low)

ELECTIVE COURSES

19ECN101 - NURSING INFORMATICS

Introduction: This course introduces the basic principles of NURSING INFORMATICS Challenges related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. Discuss nursing and healthcare informatics competencies as they relate to the goals of clinical practice.
2. Recognize the use and importance of nursing data for improving practice.
3. Analyze web-based health content for literacy level, accuracy, and reliability of information for clinical populations.
4. Describe examples of information technologies to expand information communication among nurses, health disciplines and health consumers.
5. Assess the elements of effective electronic health records (EHR) to support and manage nursing practice.
6. Describe the key role of clinician's involvement in the design, selection, implementation and evaluation of applications/systems in Healthcare.
7. Utilize a variety of electronically accessible, credible resources applicable for nursing practice, including evidence-based practice

SL NO	Nursing informatics	Hrs.	Alignment to Cos
1	Introduction: 1: Introduction to Informatics What is Informatics? Informatics Competencies Language of Informatics	4(T)	CO1
2	Information Resources for Nurses and Consumers Behaviors of health information seekers Introduction to the Internet Health Literacy	5(T)	CO2 CO4

	Behaviors of health information seekers Introduction		
3	Electronic Records Introduction & Background of EHR EHR's Impact on quality and EBP	5(T)	CO1 CO3
4	Nursing Practice Applications Clinical Practice Nursing Education Nursing Systems Management/ Administration	4(T)	CO4
5	Effective Electronic Communication Guidelines	4(T)	CO4
6	Sources application	4(T)	CO4
7	Disability: Definition and classification of disability; psychosocial models of disability; impact, needs and problems; issues related to assessment/certification of disability – areas and measures.	4(T)	CO4

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	Introduction	Short answer and objective type
2.	Nursing data	Short answer and objective type
3.	Literacy level	Short answer and objective type
4.	Health consumers	Seminar
5.	Health care	Presentations,
6.	Manage nursing practice	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the course layout and overall expectations
CO2	Understand the making technology work for success.
CO3	Apply know meeting course expectations
CO4	Analyze the students and faculty and with a wide variety of electronically available resources.
CO5	Evaluate the collaborative learning with peer and small group.
CO6	Create the aspects of the course may be invited to participate in discussions.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1	2	1	1	1	1	1	1	1	1
CO3				1	1	1				1	1	2	1
CO4	1	1	1	1	2	1			2	2	1	1	1
CO5	1	2	1	1	1	1	1	1	1	3	1		
CO6	1	1	1	3	1	1	1	1	1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECRT02 - REPRODUCTIVE TECHNOLOGY

Introduction: This course introduces the basic principles of reproductive technology related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objective and Summary

1. Reproductive anatomy and physiology of the male and the female.
2. Reproductive endocrinology.
3. Gametogenesis.
4. Fertilization in vivo.
5. Implantation and early embryogenesis.
6. Pathology of infertility - Causes of infertility namely the ovarian, tubal, uterine, male factors, pathology that reduces fertility namely endometriosis, fibroid, adenomyosis uterine anomaly, etc.
7. Approach to investigate and diagnose sub-fertility.
8. Clinical decision making and choice of treatment.
9. Pharmacology - Pharmacological effects of the various drugs including the pharmacokinetics and pharmacodynamics of the commonly used drugs

SL NO	REPRODUCTIVE TECHNOLOGY	Hrs.
1	Introduction to Ovulation induction protocols	3(T)
2	Identification on Ultrasound and other imaging	3(T) 5(P)
3	Introduction Clinical Embryology, Embryo disposition	3(T)
4	Behavior analysis and behavioral intervention of far adults	3(T)
5	Surgical training ,ART ,IVF & Surrogacy	4(T) 4(P)
6	Sterilization, Sperm donation, Genomic and stem cell technologies	2(T) 3(P)

Teaching- Learning Strategies

7. Lecture cum Discussion
8. Seminar
9. Class room Exercises
10. Demonstration
11. Assignments
12. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
7.	Introduction	Short answer and objective type
8.	Fertilization	Short answer and objective type
9.	adenomyosis uterine	Short answer and objective type
10.	endometriosis	Seminar
11.	fibroid,	Presentations,
12.	pharmacodynamics	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember Reproductive endocrinology.
CO2	Understand Pathology of infertility
CO3	Apply Clinical decision making
CO4	Analyze Pharmacological effects of the various drugs
CO5	Evaluate the investigate and diagnose sub-fertility
CO6	Create the Fertilization in vivo.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1	2	1	1	1	1	1	1	1	1
CO3	1	1	1	1				1	1			2	1
CO4	1			1				1	2			1	1
CO5	1	2	1	1	1	1	1	1	1	3	1	1	1
CO6	1	1	1	3	1	1	1	1	1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECTLS03 - TRAUMA LIFE SUPPORT

Introduction: This course introduces the basic principles of Trauma Life Support related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. Epidemiology of Trauma cases in India
2. Trauma Systems in India
3. Pre-hospital care
4. Initial Assessment
5. Airway management and Ventilation
6. Shock Management
7. Diagnostic and Interventional radiology in trauma
8. Principles of Anesthesia and pain management in trauma
9. Transfer to Definitive Care.

SL NO	TRAUMA LIFE SUPPORT	Hrs.
1	Introduction - Traumatic Injuries Head Trauma	6(T)
2	Spinal Trauma Thoracic Trauma	6(T)
3	Abdominal Trauma Musculoskeletal Trauma	6(T)
4	Treatment of Burns Special Populations Civilian Tactical EMS Support (TEMS)	6(T)
5	Geriatric Trauma Pediatric Trauma Environmental Emergencies	6(T)

Teaching- Learning Strategies

13. Lecture cum Discussion
14. Seminar
15. Class room Exercises
16. Demonstration
17. Assignments
18. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
13.	Introduction	Short answer and objective type
14.	Airway Management	Short answer and objective type
15.	Hospital Care	Short answer and objective type
16.	Shock Management	Seminar
17.	Patient Management	Presentations,
18.	Definitive Care	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the establish a system for managing a trauma patient.
CO2	Understand the focus the principles of primary and secondary assessment to the acutely unwell trauma patient.
CO3	Apply Know appreciate the clinical anatomy of life saving interventions in the trauma patient.
CO4	Analyze Know Understand management of Head & Spinal injuries.
CO5	Evaluate the Understand initial management of Thermal injuries.
CO6	Create strategies for environmental emergencies

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1			1	1	1	1	1	1	1
CO3	1	1	1			1			1	1			1
CO4	1	1	1	1	2	1	1	1	2		1	1	1
CO5	1			1		1	1			3	1	1	1
CO6	1	1	1		1	1	1	1	1	2			1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECOP04-PAEDIATRIC ORTHOPAEDIATRICS

Introduction: This course introduces the basic principles of Paediatric Orthopaedics related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objective

1. To develop a systemic approach to interact and examine paediatric patient and develop decision making skills in assessment and management of orthopaedic problems.
2. To develop and sharpen skills in interpretation of paediatric musculoskeletal radiology.
3. To attain basic knowledge of diagnosing and managing the problems specific to paediatric age group
4. To obtain experience in scientific data collection, analysis interpretation, publication and surgical audit.

SL NO	TRAUMA LIFE SUPPORT	Hrs.
1	Introduction Growth and Development. Gait analysis.	6(T)
2	Imaging a paediatric patient. Anatomic disorders.	6(T)
3	Scoliosis, kyphosis and other disorders of spine. Congenital deformities of upper limb.	6(T)
4	DDH, Perthes disease, SCFE and other disorders of Hip. Congenital dislocation of knees.	6(T)
5	Congenital disorders of ankle and foot. Limb length discrepancy – Causes, assessment and planning of treatment.	6(T)

Teaching- Learning Strategies

19. Lecture cum Discussion
20. Seminar
21. Class room Exercises
22. Demonstration
23. Assignments
24. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
19.	Introduction	Short answer and objective type
20.	Airway Management	Short answer and objective type
21.	Hospital Care	Short answer and objective type
22.	Shock Management	Seminar
23.	Patient Management	Presentations,
24.	Definitive Care	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the Surgery for congenital and developmental disorders of hips.
CO2	Understand the Pelvic osteotomies.
CO3	Apply Know Deformity correction.
CO4	Analyze Know CP reconstructive surgeries and Botox injection.
CO5	Evaluate the Congenital and adolescent scoliosis surgery.
CO6	Create nursing measures for child with congenital anomalies of ankle & foot .

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1	2	1	1	1	1	1	1	1	1
CO3							1	1	1			2	1
CO4	1	1	1	1	2	1	1	1	2	2	1	1	1
CO5	1	2	1			1				3	1	1	1
CO6	1	1	1	3	1	1	1	1	1	2			

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECHA05 - Hospital administration

Introduction: The program prepares them to deal with the finance, marketing, and operations that are important in the hospital industry. The program focuses on developing knowledge, skill, and attitude that are required in Hospital Managers.

Course Objective

1. To have an idea about management concepts, theories, functions and process
2. To describe the roles and levels of Hospital Administration
3. It offers the students a solid background in business management and
4. It also provides the knowledge of healthcare administration to the students
5. The students are prepared to deal with social, ethical, political, economic, and legal challenges that form a part of the hospital administration.
6. The program provides the students with training in planning, project and operational management, financial, material and human resource management to help them grow astute leadership and management skills.

SL NO	Hospital administration	Hrs.
1	<ul style="list-style-type: none"> • Hospital Organisation • Process of Hospital Planning, • Hospital Design –Guiding Principles in Planning and Designing –planning of different types of hospitals –Equipment planning –Operations Planning- • Hospital Building - Space requirements –Hospital project management. Hospitals for tomorrow. 	6(T)
2	<ul style="list-style-type: none"> • Biomedical Waste Management – Meaning, Categories of Biomedical Wastes, Disposal of biomedical wastes, Incineration and its importance. Standards for waste autoclaving, microwaving and deep burial, Segregation, Packaging, Transportation and Storage., Modern sewage treatment methods, Solid and Liquid wastes and their treatment. Waste disposal, State and Government Regulations, Colour code practices , Waste segregation, Agencies appointment for waste disposal, Environmental safety 	7(T)
3	<ul style="list-style-type: none"> • Concept of Budget, • Budgeting and Budgetary Control, • Types of Budgets and their preparation and Advantages and Limitations of Budgetary Control 	4(T)
4	<ul style="list-style-type: none"> • . Inventory - Definition, need, scope, objective and importance of for inventory control, impact of inventory control on profitability of the organization Different items in hospital inventory and their categories. 	5(T)

5	<ul style="list-style-type: none"> • Definition of Quality, • Dimensions of Quality, • Quality Planning, • Quality costs - Analysis of Quality Costs, • Basic concepts of Total Quality Management 	8(T)
6	<ul style="list-style-type: none"> • Hospital infection control committee's – Infrastructure facilities, & types of Hospital infections Unit II Identification of high risk areas of infection 	3(T)

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	hospital administration-define	Short answer and objective type
2.	Process of Hospital Planning	Short answer and objective type
3.	Biomedical Waste Management	Short answer and objective type
4.	Budgeting and Budgetary Control	Seminar
5.	types of Hospital infections	Presentations,
6.	Quality costs - Analysis of Quality Costs	Short answer& presentation, Objective type,
7.	Basic concepts of Total Quality Management	Short answer

Course Outcomes (Cos)

CO1	Remember the process of hospital planning.
CO2	Understand the biomedical waste management and environmental safety
CO3	Apply the concept of budget control
CO4	Analyze of quality costs.
CO5	Develop the variety of quality of planning
CO6	Create and Identification of high risk areas of infection prevention

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1			1	2	1			1	1	1	1	1
CO3	1	1			1	1		1				2	1
CO4	1			1	2			1	2	2	1		1
CO5	1	2	1				1			3	1		
CO6	1			3	1	1			1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

POST BASIC B.SC. NURSING YEAR – II
(19SO10) -SOCIOLOGY

Placement: - Second Year

Time Allotted

Theory -60 hrs Credit: 3

COURSE DESCRIPTION:

This course is to reorient students to Sociological relation to community and social institution in India and its relationship with health, illness and Nursing.

OBJECTIVES

At the end of the course, the student will:

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

COURSE CONTENTS

UNIT I •

Introduction.

- Importance of study of Sociology in Nursing, relationship of Anthropology, Sociology, etc.

UNIT II

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

UNIT III

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

UNIT IV

- Social organization.
- Social groups, Crowds and Public groups, Nations, Race.
- Social Institutions: 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 woman & children, child labour, child abuse delinquency and crime, substance abuse

Course Outcomes (Cos)

CO1	Its studies society during a scientific way: Scientific, knowledge about human society is Required to realize progress in various fields.
CO2	Improve sour understanding of society: Social groups, social institutions, their functions and the change in trends, etc. Help us to lead an effective meaningful social life.
CO3	Helps us to become broad-minded: Sociology has impressed upon its students to overcome their pre juices, egoistic ambitions, and call as sand religious hatreds. The study of societies has made people broad-minded.
CO4	English tenses regarding the major social institutions: Social institutions decide the strength and weaknesses of society. Institutions play a vital role in our social life. Knowledge of sociology may help to strengthen them to serve society better
CO5	Helps us to solve social problems: The study of sociology – helps to find out the causes of social ‘problems and suggests measures to solve social problems.
CO6	Social planning: Social planning has been made easier by sociology: it is often regarded as the vehicle of social reform and social reorganization.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		2	2	3			2					2	2		1
CO2	2		3		3		1			2			2	3	3
CO3		1	1		2				2		2	2			2
CO4	2	2	2	2		1		3		3			2	2	2
CO5	2	1		2			3		3			3	2		2
CO6	2	2	3			2		2	1	1		2			3

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19CHN11)- COMMUNITY HEALTH NURSING

Placement: - Second year

Time Allotted

Theory -60 hrs Credit: 3

Practical-240 hrs Credit: 12

COURSE DESCRIPTION:

The course enables the students to understand the national health care delivery system and to participate in the delivery of Community Health Nursing.

OBJECTIVES

At the end of the course, the student will:

1. Explain the concepts of various factors contributing to health of individual, family and Community.
2. Identify the role of a Community Health Nurse.
3. Describe National Health Care delivery system.
4. Describe Epidemiological methods and principles of prevention and control of illness in the community.
5. Identify the role of personnel working in the Community Health setting.
6. Plan the work of Community Health Nursing, and supervise and train health workers.

COURSE CONTENTS

UNIT I

- Introduction to Community Health – Concepts, Principles and Elements of Primary Health Care.
- Introduction to Community Health Nursing.
- Concept of Community Health Nursing – Community Nursing process.
- Objective, Scope and Principles of Community Health Nursing.

UNIT II

- Family Health Services.
- Concept, Objective, Scope and Principles.
- Individual, Family and Community as a unit of service.

- Principles and techniques of home visiting.
- Establishing working relationship with the family.
- Working with families in relation to prevention of diseases, promotion of health.
- Care of the sick in the home, physically handicapped and mentally challenged.
- Surveillance and Monitoring.

UNIT III

- Organization and Administration of health services in India.
- National Health Policy. • Health Care Delivery system in India.
- Health team concepts:
 - Centre, State, District, Urban Health Services, Rural Health Services
 - System of medicines
 - Centrally sponsored health schemes
 - Role of voluntary health organizations and International Health Agencies
 - Role of health personnel in the community
 - Public Health Legislation.

UNIT IV

- Health Education:
 - Aims, Concepts and Scope of Health Education.
 - National Plan for Health Education
 - Communication Techniques
 - Methods and media for health education programmes
 - Planning for health education and role of nurse.

UNIT V

- Role of the Community Health Nurse.
- National Health Programmes:
 - Maternal and child health programmes
 - Family welfare and school health services

- Occupational health services.
- As a member of the health team.
- Training and supervision of health care workers.

UNIT VI

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

UNIT VII

- Bio-Statistics and Vital Statistics.
- Introduction, definition and scope, legislation.
- Report, recording and compiling of vital statistics at the local, state, national and international level.
- Definition and methods of computing vital statistics.
- Methods of presenting data.
- Management information system.

PRASCTICUM

1. Each student will prepare a community profile.
2. The student will be allotted families for gaining experience in identifying family health needs, health counselling and guidance and family budgeting for optimum health.
3. The student will participate in the activities of primary health centre.
4. Sub-centre, MCH centre.
5. Visits will be made to selected health and welfare agencies, water purification plant and sewage disposal plant, infectious disease hospital, child welfare centre, old aged homes, orphanages and handicapped hospitals.
6. Conduct health educational programmes for individual/ groups/ community

Course Outcomes (Cos)

CO 1.	Explain the concept of various factors contributing to health of individual, family and community.
CO 2.	Identify the role of community health nurse.
CO 3.	Describe national health care delivery system.
CO 4.	Describe epidemiological methods and principles of prevention and control of illness in the community.
CO 5.	Identify the role of personnel working in the community health setup.
CO 6.	Plan the work of community health nurse and supervise and train health worker

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	3			2	3		1		2	2		3
CO2	2	1		3		2		1		2	1		2	3	
CO3		1	1		2	3	1		2		2	2			2
CO4	2	2	2	2			1		3		3		2	2	2
CO5	2	1		2		1		2			1		2		2
CO6	2	2		3		2		2	3			2			3

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

(19MHN12) - MENTAL HEALTH NURSING

Placement: - Second Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-240 hrs Credit: 12

COURSE DESCRIPTION:

These courses enable the students 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 and cultural factors affecting human behaviour. This course helps the student to learn principles of Mental Health and Psychiatric Nursing and to develop beginning skills in the management of the mentally ill in hospital and community.

OBJECTIVES

At the end of course, the student will:

1. Identify and describe the Philosophy and Principles of Mental Health Nursing.
2. Describe the Historical Development of Mental Health and Psychiatric Nursing.
3. Classify Mental Disorders.
4. Develop skill in history taking and performing Mental status examination.
5. Describe etiological factors, Psychopathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various Mental disorders.
7. Communicate therapeutically with patients and their families.
8. Identify role of the Nurse in preventive psychiatry.
9. Identify the legal 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 Nursing 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 an assessment method 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 VIII

- 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 Nursing 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:

1. Observe, Record and Report the behaviour of their selected patients.
2. Record the process of interaction.
3. Assess the Nursing needs of their selected patients, plan and implement the Nursing intervention.
4. Counsel the attendant and family members of patient.
5. Participate in the activities of Psychiatric team.
6. 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 Centres.
 - De-addiction and Rehabilitation Centres.

Course Outcomes (Cos)

CO1	Identify and describe the philosophy and principles of mental health nursing
CO2	Describe the historical development of mental health and psychiatric nursing
CO3	Classify mental disorders
CO4	Develops skill in history taking and performing mental status examination
CO5	Describe etiological factors, psycho- pathology, clinical features, diagnostic criteria and treatment methods used for mental disorder.
CO6	Manage the patients with various mental disorders

Mapping /Alignment of Cos with PO&PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3		3	3		3	3	3		3	3		2
CO3		2	3	3		3	3	2	2		3	3	2	2	3
CO4	3	3	3	3	3	3	3	2	1	2	2	3	2		3
CO5	3	3			3			2	3		3		3	3	3
CO6	3	3	1	1	2	3	3	2	3	2	3	2	2	3	3

(Tick mark or level of correlation: 3-High,2-Medium,1-Low)

(19NE13) -INTRODUCTION TO NURSING EDUCATION

Placement: - Second Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-75 hrs Credit: 3.75

COURSE DESCRIPTION:

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

OBJECTIVES

At the end of the course, the students will:

1. Describe the philosophy and principles of education.
2. Explain the teaching – learning process.
3. Develop the ability to teach using various methods and media.
4. Describe the process of assessment.
5. Describe the administrative aspects of school of Nursing.
6. Participate in planning and organizing an in-service education programme.
7. Develop basic skill of counselling 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

- Lecturer

- 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 interaction process.

UNIT IV

- Educational media.
- Communication Process: Factors Affecting Communication.
- Purpose and Types of Audio-Visual Aids.
- Graphics aids: Chalk-board, Charts, Graphs, Poster, Flash Cards, Flannel graph / Khadi graph, Bulletin, Cartoon,
- Three Dimensional Aids: Objects, Specimen, Models, Puppets.
- Printed Aids: Pamphlets and Leaflets.
- Projected Aids: Slides, Films and Television, VCR, VCP, Overhead Projector, Camera, Microscope.
- Audio Aids: Tape Recorder, Public address system, Computer.

UNIT V

- Methods of assessment.
- Purpose and Scope of evaluation and assessment.
- Criteria for selection of assessment techniques and methods.
- Assessment of knowledge: essay type question, SAQ (short answer questions).
- MCQ (multiple choice questions).
- Assessment of skills: observation, 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 of students, welfare services for students, maintenance of school's records, preparation of annual reports, INC guidelines for schools of Nursing.

Unit VII

- Guidance and counselling: Definition.
- Basic principles of guidance and counselling.

- Organization of guidance and counselling services.
- Counselling 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:

1. Conduct five planned teaching using different methods and media.
2. Prepare different types of teaching aids.
3. Plan, organize and conduct in-service education programme
4. Conduct at least one counselling session.
5. Prepare rotation plan

Course Outcomes (Cos)

CO1	Describe the philosophy and principles of education
CO2	Explain the teaching–learning process and curriculum development
CO3	Develop the ability to teach, using various methods and media
CO4	Describe the process of assessment
CO5	Describe the administrative aspects of school of nursing
CO6	Participate in planning and organizing an in-service education programme

Mapping /Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		2	2	3			2					2	2		3
CO2	2	1		3			3	1		2		1	2	3	
CO3	3	1	2		2		2		2		2	2		1	2
CO4	2	2	2	2		1		3	1		3	3	2	2	2
CO5	2			2	1			1		3	2		2		2
CO6	2	2		3		2		2		1		2			3

(Tick mark or level of correlation: 3-High,2-Medium,1-Low)

(19NA14) - INTRODUCTION TO NURSING ADMINISTRATION

Placement: - Second Year

Time Allotted

Theory -60 hrs Credit: 3

Practical-180 hrs Credit: 9

COURSE DESCRIPTION:

This course is designed to give an opportunity to the student to gain an understanding of the principle 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 Practices of administration.
- Significance, elements and principles of administration,
- Organization of Hospital – Definition, aims, functions, and classifications, health term.
- Policies of hospital, different departments with special emphasis to department of Nursing & office management.
- Responsibilities of the Nursing personnel especially of ward Sister, medico legal aspects, concept of cost effectiveness.

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 jobs 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 relation, leadership styles and functions.
- Methods of reporting.
- Maintaining records and reports.

PRACTICUM

1. Observe the functioning of Nursing administration at various level i.e., institution, Department, unit etc.
2. Each student will practice Ward Management under supervision.
3. 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.
4. Visit to private and government hospital and write observation reports.

Course Outcomes(Cos)

CO1	Identify the principles of administration
CO2	Describe the principles and techniques of supervision
CO3	Explain the principles and methods of personnel management
CO4	Explain the principles of budgeting
CO5	Organize and manage a nursing unit effectively
CO6	Identify dynamics of organizational behavior, styles and functions of effective leadership

Mapping /Alignment of Cos with PO &PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2				2					2	2		3
CO2	2		3			1				2	1		2		
CO3					2		3		2		2	2			2
CO4	2	2	2	2	1	1			1	3		3	2	2	2
CO5	2			2									2		2
CO6	2	2	1		3	2		2			3	2		1	

(Tick mark or level of correlation:3-High,2-Medium,1-Low)

(19NRS15) - INTRODUCTION TO NURSING RESEARCH AND STATISTICS

Placement: - Second Year

Time Allotted

Theory -45 hrs Credit: 2.25

Practical-120 hrs Credit: 6

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 practices, apply the knowledge in conducting project(S) and solve problems related to nursing using scientific method.

OBJECTIVES

At the end of the course, the students will:

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

COURSE CONSTANTS

A. INTRODUCTION TO RESEARCH METHODOLOGY

UNIT I

- Steps of scientific methods.
- Definition of Research.
- Need for Nursing Research.
- Characteristics of good research. Research process.

UNIT II

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

UNIT III

- Research approaches: historical, survey and experimental.

Unit IV

- Sampling techniques and methods of data collection.
- Sampling.
- Instrument-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, Mean.
- Measures of variability: Range, Standard deviation
- Introduction to normal probability.

UNIT VIII

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

UNIT IX

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

UNIT X

- Introduction to computers in Nursing.
- Introduction to Computer and disk – operating system
- Introduction to word processing
- Introduction to data base
- Window application: Word, Excel, Power point, Multimedia.
- Use of statistical packages.
- Introduction to internet & use of electronic mail.
- Computer aided teaching & testing.

PRACTICUM

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))

Course Outcomes (Cos)

CO1	Remember the research process
CO2	Understand the research problem and objectives
CO3	Apply or implement the nursing interventions to collect the data
CO4	Analyze and interpret the data
CO5	Develop and evaluate research proposal (based on Bloom's Taxonomy)
CO6	Create and conduct a group/individual research project

Mapping/ Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
CO2	2		2		2	1	2	2	2	2			2	2	3
CO3			2	2		3		2			2	2	2	2	2
CO4			2		2	2	2			2		3	1	2	2
CO5	2	2		1	2		2	2	2	2	2	3	2	2	1
CO6	3	2	2	2		2	2	1		2	2	2	2	2	2

(Tick mark or level of correlation: 3-High,2-Medium,1-Low)

ELECTIVE COURSES

19ECSA06 - SUBSATANCE ABUSE

Introduction: This course introduces the basic principles of Subsatance Abuse related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objective

1. Identify the basic principles of Subsatance Abuse.
2. Synthesize the knowledge of these principles in various Nursing situations.
3. Understand the principles of various fields of Subsatance Abuse.
4. Be able to work with others demonstrating leadership and collaborative skills
5. Apply modern instrumentation theory and practice to Subsatance Abuse problems
6. Recognize potential laboratory safety concerns and address them using appropriate techniques
7. Produce scientific reports formatted for peer-reviewed publication, using the primary literature
8. Evaluate data and design experiments to test hypotheses relevant to the practice of Subsatance Abuse.

SL NO	SUBSATANCE ABUSE	Hrs.
1	Introduction - Drug and Alcohol Abuse: Awareness, Counseling and Prevention Availability of Drugs	6(T)
2	Why do Humans Abuse Substances? Dependence and Addiction	6(T)
3	Effects of Use and Dependency - Potential Social Consequences of Substance Abuse Prevention in the Home	6(T)
4	Schools Workplace Prevention	6(T)
5	Assessment and Intervention Treatment Following Up	6(T)

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1	Introduction	Short answer and objective type
2	School	Short answer and objective type
3	Drug abuse	Short answer and objective type
4	Treatment	Seminar
5	Assessment and Intervention	Presentations,
6	Work Place in Home	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the Describe drug and alcohol abuse -- awareness, counseling, and prevention.
CO2	Understand the Describe why humans abuse substances.
CO3	Apply Know effects of use and dependency -- potential social consequences of substance abuse.
CO4	Analyze Know schools and drug use.
CO5	Evaluate the Determine assessment and intervention of drug abusers.
CO6	Create the Know workplace prevention techniques and policies of drug use.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2			1	1	2	1	1	1	1	1	1	1	1
CO3			1	1	1				1	1	1	2	1
CO4	1	1	1	1	2	1	1	1	2	2			1
CO5	1	2	1	1	1	1				3			1
CO6	1	1	1	3	1	1	1	1	1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECMHC07 - MENTAL HEALTH CHALLENGES

Introduction: This course introduces the basic principles of Mental Health Challenges related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. Develop a critical understanding of the historical and contemporary perspectives on mental deviance or mental illness
2. Develop an appreciation of the subjective distress and/or experiences of individuals labeled as mentally deviant or mentally ill
3. Develop an appreciation of the dynamics of the institutional responses to mental deviance and of current conditions and programs
4. Develop an awareness of current classification and processing of the mentally disordered
5. Trace the history and current status of legal insanity, rights of patients, and related legal issues
6. Learn about the differential effects of mental disorder with regard to sex, age, race and socioeconomic status
7. Become familiar with research on mental conditions, treatments, and demographic variables in the mental health field
8. Become familiar with current issues in the field of mental health that affect research and practice

SL NO	MENTAL HEALTH CHALLENGES	Hrs.
1	Mental Illness and Society Concepts Definitions & Types of Mental Illness	5(T)
2	Environmental Theories of Mental Illness Schizophrenic, Delusional and Mood Disorders	5(T)
3	Medical Treatments – Medication and ECT Anxiety Disorders (Gallagher)	3(T) 2(P)
4	Treatment: The Inpatient Experience (Gallagher) After the Hospital (Gallagher)	5(T)
5	Epidemiology, Demographics, etc.(Gallagher) Personality Disorders (Gallagher)	5(T)
6	Substance Related Issues (Gallagher) Somatoform, Dissociative and Eating Disorders	3(T) 2(P)

Teaching- Learning Strategies

25. Lecture cum Discussion
26. Seminar
27. Class room Exercises
28. Demonstration
29. Assignments
30. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	Introduction	Short answer and objective type
2.	Schizophrenic	Short answer and objective type
3.	Delusional	Short answer and objective type
4.	Treatment	Seminar
5.	Eating Disorders	Presentations,
6.	Mental Illness	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the Mental health challenges of healthcare professionals.
CO2	Understand the Challenges in measuring for caregivers of people with mental health problems.
CO3	Apply Know Treatment for depression: challenges and opportunities.
CO4	Analyze the Grand challenges: improving HIV treatment by integrating interventions for co-morbid mental illness.
CO5	Evaluate the Managing mental health challenges faced by healthcare workers.
CO6	Create the The contemporary refugee crisis: an overview of mental health challenges.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1	2	1	1	1	1	1	1	1	1
CO3	1	1				1	1	1				2	1
CO4	1	1	1	1	2	1			2	2	1	1	1
CO5	1	2	1			1	1			3	1	1	1
CO6	1	1	1	3	1	1				2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECBDC08 - BEHAVIOURAL DISORDER AMONG CHILDREN

Introduction: This course introduces the basic principles of Mental Health Challenges related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. Definition of Emotional Disturbance and Behavioral Disorders
2. Characteristics of Emotional Disturbance/Behavioral Disorders
3. Prevalence of Emotional Disturbance/Behavioral Disorders
4. Causes of Emotional Disturbance/Behavioral Disorders
5. Assessment And Diagnosis
6. Educational Placements and Services
7. Functional Behavioral Assessment
8. Applied Behavior Analysis and Positive Behavior Supports
9. Advocacy for Students with Emotional Disturbance and Behavioral Disorders
10. Collection of Current Event Articles and Issues in the Field

UNIT	BEHAVIOURAL DISORDER AMONG CHILDREN	Hrs.
1	Introduction: behavioral disorders, concept, Characteristics, behavioral problems in children	4(T)
2	Prevalence of emotional disturbance and behavioral disorders	5(T)
3	Assessment and diagnosis of behavioral disorders	5(T)
4	,Educational placement and services coping and social support.	4(T)
5	Functional behavioral assessment	4(T)
6	Societal influences: Applied behavioral analysisand positive behavioral support	4(T)
7	Advocacy for students with emotional disturbances and behavioral problems.	4(T)

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	Introduction	Short answer and objective type
2.	Behavioral disorders	Short answer and objective type
3.	Assessment and diagnosis Behavioral disorders	Short answer and objective type
4.	Positive behavioral support	Seminar
5.	Behavioral Disturbances	Presentations,
6.	Functional behavioral support	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the Safe, supportive and behavioral problems.
CO2	Understand the Physical education in primary schools: prevalence, Classroom teachers' perceptions of benefits.
CO3	Apply Know Elementary pre-service teacher preparation in the area of social, emotional, and behavioral problems.
CO4	Analyze the Effective Classroom Management: Teacher Preparation and Professional Development.
CO5	Evaluate the Effective treatment for mental disorders in children and adolescents.
CO6	Create the Improving for college students with disabilities: Ten strategies for instructors.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1			1	2	1	1	1			1	1	1
CO3	1	1	1			1	1	1			1	2	1
CO4	1	1	1	1	2				2	2	1	1	1
CO5	1	2	1	1	1	1	1	1	1	3	1		
CO6	1	1	1	3	1	1	1	1	1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECCPS09 - COMMUNITY PSYCHIATRIC

Introduction: This course introduces the basic principles of Community Psychiatry related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. Identify the basic principles of Community Psychiatry.
2. Synthesize the knowledge of these principles in various Nursing situations.
3. Understand the principles of various fields of Community Psychiatry.
4. Be able to work with others demonstrating leadership and collaborative skills
5. Apply modern instrumentation theory and practice to Community Psychiatry problems
6. Recognize potential laboratory safety concerns and address them using appropriate techniques
7. Produce scientific reports formatted for peer-reviewed publication, using the primary literature
8. Evaluate data and design experiments to test hypotheses relevant to the practice of Community Psychiatry.

UNIT	Community Psychiatry	Hrs.
1	Introduction of Mental Health and Identification of Community Psychiatry	3(T)
2	Identification / Functional assessment of disability intellectual deficits and academic problems	3(T) 5(P)
3	Introduction of Basic Counseling skills	3(T)
4	Behavior analysis and behavioral intervention of far adults	3(T)
5	Psycho education and management regarding severe mental disorder inrectual and developmental disabilities	4(T) 4(P)
6	Identification and intervention for addictions	2(T) 3(P)

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	Introduction	Short answer and objective type
2.	Leadership	Short answer and objective type
3.	Potential Laboratory Safety	Short answer and objective type
4.	Primary Literature	Seminar
5.	Data and Design Experiments	Presentations,
6.	Ethical	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the structure, introduction to mental health and identification of Community Psychiatry
CO2	Understand assessment of disability intellectual deficits and academic problems
CO3	Apply or implement the various acquired knowledge in nursing profession
CO4	Analyze behavior analysis and behavior intervention
CO5	Evaluate the developmental disabilities
CO6	Create the concept of intervention for addictions

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1			1	2	1	1	1	1	1	1	1	1
CO3	1	1	1				1	1	1			2	1
CO4	1	1	1	1	2	1	1	1	2	2	1	1	1
CO5	1	2	1				1	1	1	3			
CO6	1	1	1	3	1	1			1	2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

19ECGC10 - GYNAECOLOGICAL CANCER

Introduction: This course introduces the basic principles of Mental Health Challenges related to Nursing. It is further, structured to Synthesize the knowledge of these principles in various Nursing situations

Course Objectives

1. To demonstrate the knowledge, skills and attitudes required to make an appropriate clinical assessment of a patient with a suspected or known gynaecological cancer.
2. Obtain an appropriate history perform an appropriate examination.
3. Communicate results of prior investigations. Instiate further investigations.
4. Communicate clinical plan to patient and relatives.

UNIT	GYNAECOLOGICAL CANCER	Hrs.
1	General Assessment of a Gynecological Oncology Patient Pre-, Peri- and Post-operative Care	3(T) 2(P)
2	General Surgical Skills In Gynecological Oncology Cancer of the Cervix	3(T) 2(P)
3	Ovarian Cancer Cancers of the Uterine corpus	3(T) 2(P)
4	Cancer of the Vulva Vaginal Cancer	3(T) 2(P)
5	Uro-oncological surgery Gastrointestinal/Colorectal surgery	3(T) 2(P)
6	Breast Cancer Surgery Radio-Diagnostics	3(T) 2(P)

Teaching- Learning Strategies

1. Lecture cum Discussion
2. Seminar
3. Class room Exercises
4. Demonstration
5. Assignments
6. Experiments

Assessment Techniques of each topic of the course

S. No	Topic	Assessment techniques
1.	Introduction	Short answer and objective type
2.	Pre-Operative Care	Short answer and objective type
3.	Post Operative Care	Short answer and objective type
4.	Surgical Skills	Seminar
5.	Uterine corpus	Presentations,
6.	Gastrointestinal	Short answer& presentation, Objective type,

Course Outcomes (Cos)

CO1	Remember the Provides quality maternal care in the diagnosis and management of antenatal, intra-natal and postnatal period of normal and abnormal pregnancy, capable to manage obstetrical and early neonatal emergencies.
CO2	Understand the Provides services for reproductive tract infections, including sexually transmitted diseases and screening for gynecological malignancies.
CO3	Apply Know Provides counseling and family welfare services including various methods of contraception and perform medical termination of pregnancy.
CO4	Analyze the Has knowledge for interpretation of various laboratory investigations and other diagnostic modalities in Obstetrics and Gynecology.
CO5	Evaluate the Trained in basic and advanced surgical skills for obstetrical, gynecological and allied surgeries.
CO6	Create the Trained in gynecological endocrinology and infertility, benign and malignant gynecological disorders.

Mapping / Alignment of Cos with PO & PSO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	1	3	1	2	2	2	1	1	2	1	2	1
CO2	1	1	1	1	2	1	1	1	1	1			1
CO3	1	1			1	1				1	1	2	1
CO4	1	1	1	1	2			1	2	2	1	1	1
CO5	1	2	1	1	1	1	1	1	1	3	1		
CO6	1	1	1	3	1					2	1	1	1

(Tick mark or level of correlation: 3-High, 2-Medium, 1-Low)

