



GALGOTIAS UNIVERSITY

Syllabus of B.Sc.Nursing

Galgotias School of Nursing

Name of School: _____
Nursing

Department: _____

2015-16

Year: _____

School of Nursing

Vision-To be recognized globally as a center of nursing excellence by imparting value based education through research and innovation to meet the health care needs of society at large.

Mission-

1. Promote quality nursing education to build a strong and diverse nursing workforce to advance the health of our nation and global community.
2. Collaborate with the health care institutions of national repute to foster value driven, culturally sensitive and innovative nursing competency.

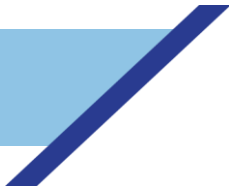
Curriculum

| 1 st year | | | | | | | | | |
|----------------------|-------------|------------------------------|---|---|---|----|--------------------|----|-----|
| Sl. No | Course Code | Name of the Course | | | | | Assessment Pattern | | |
| | | | L | T | P | C | CAT | IA | ETE |
| 1 | APN101 | ANATOMY AND PHYSIOLOGY | 4 | 0 | 0 | 4 | 12.5+12.5 | | 75 |
| 2 | NBN102 | NUTRITION AND BIOCHEMISTRY | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 3 | FON103 | NURSING FOUNDATIONS (THEORY) | 9 | 0 | 7 | 16 | 12.5+12.5 | | 75 |
| 4 | PSN104 | PSYCHOLOGY | 2 | 0 | 0 | 2 | 12.5+12.5 | | 75 |
| 5 | MBN105 | MICROBIOLOGY | 2 | 0 | 0 | 2 | 12.5+12.5 | | 75 |
| 6 | ENG106 | ENGLISH | 2 | 0 | 0 | 2 | 12.5+12.5 | | 75 |

| | | | | | | | | | |
|--------------|--------|---------------------------------|-----------|----------|--------------|--------------|------------|------------|------------|
| 7 | ICN107 | INTRODUCTION TO COMPUTERS | 1 | 0 | 1 | 2 | 12.5+12.5 | | 75 |
| 8 | FNP101 | NURSING FOUNDATIONS (PRACTICAL) | 0 | 0 | 7.5 clinical | 7.5 clinical | NA | 100 | 100 |
| Total | | | 23 | 0 | 15.5 | 38.5 | 175 | 100 | 625 |

IInd year

| SI No | Course Code | Name of the Course | Assessment Pattern | | | | | | |
|-------|-------------|---|--------------------|---|-------------|-------------|-----------|-----|-----|
| | | | L | T | P | C | CAT | IA | ETE |
| 1 | SON208 | SOCIOLOGY theory | 2 | 0 | 0 | 2 | 12.5+12.5 | | 75 |
| 2 | PPG209 | PHARMACOLOGY, PATHOLOGY & GENETICS theory | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 3 | MSN210 | MEDICAL SURGICAL NURSING-I (THEORY) | 7 | 0 | 0 | 7 | 12.5+12.5 | | 75 |
| 4 | CHN211 | COMMUNITY HEALTH NURSING-I (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 5 | CET212 | COMMUNICATION & EDUCATION TECHNOLOGY theory | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 6 | MSP202 | MEDICAL SURGICAL NURSING-I (PRACTICAL) | 0 | 0 | 12 clinical | 12 clinical | | 100 | 100 |
| 7 | CHP203 | Community Health Nursing-I | 0 | 0 | 3 clinical | 3 clinical | na | | NA |



| | | Total | 18 | 0 | 15 | 33 | 75 | 100 | 475 |
|-------------------|-------------|--|-----------|----------|-----------|-----------|--------------------|------------|------------|
| IIIrd year | | | | | | | | | |
| Sl No | Course Code | Name of the Course | | | | | Assessment Pattern | | |
| | | | L | T | P | C | CAT | IA | ETE |
| 1 | MSN313 | MEDICAL SURGICAL NURSING-II (THEORY) | 4 | 0 | 0 | 4 | 12.5+12.5 | | 75 |
| 2 | CHN314 | CHILD HEALTH NURSING (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 3 | MHN315 | MENTAL HEALTH NURSING (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 4 | EVS318 | ENVIRONMENTAL STUDIES | 1.5 | 0 | 0 | 1.5 | 12.5+12.5 | | 75 |
| 5 | MSP303 | MEDICAL SURGICAL NURSING-II (PRACTICAL) | 0 | 0 | 4.5 | 4.5 | NA | 50 | 50 |
| 6 | CHP304 | CHILD HEALTH NURSING (PRACTICAL) | 0 | 0 | 4.5 | 4.5 | NA | 50 | 50 |
| 7 | MHP305 | MENTAL HEALTH NURSING (PRACTICAL) | 0 | 0 | 4.5 | 4.5 | NA | 50 | 50 |
| 8 | OGN316 | MIDWIFERY & OBSTETRICAL NURSING (THEORY) | 3 | 0 | 0 | 3 | NA | | NA |

| | | | | | | | | | |
|-------|-------------|---|------|---|------|-----|--------------------|-----|-----|
| 9 | OGP306 | MIDWIFERY & OBSTETRICAL NURSING (PRACTICAL) | 0 | 0 | 3 | 3 | NA | | NA |
| | | Total | 14.5 | 0 | 16.5 | 31 | 50 | 150 | 450 |
| SI No | Course Code | Name of the Course | | | | | Assessment Pattern | | |
| | | | L | T | P | C | CAT | IA | ETE |
| 1 | NRS421 | NURSING RESEARCH & STATISTICS theory | 1.5 | 0 | 1.5 | 1.5 | 12.5+12.5 | | 75 |
| 2 | OGN423 | MIDWIFERY & OBSTETRICAL NURSING (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 3 | CHN421 | COMMUNITY HEALTH NURSING-II (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 4 | MSE422 | MANAGEMENT OF NURSING SERVICES & EDUCATION (THEORY) | 3 | 0 | 0 | 3 | 12.5+12.5 | | 75 |
| 5 | OGP406 | MIDWIFERY & OBSTETRICAL NURSING (PRACTICAL) | 0 | 0 | 3 | 3 | NA | 50 | 50 |
| 6 | CHP407 | COMMUNITY HEALTH NURSING-II (PRACTICAL) | 0 | 0 | 2.5 | 2.5 | NA | 50 | 50 |
| | | Total | 7.5 | 0 | 7 | 16 | 50 | 100 | 400 |

PINK-EMPLOYABILITY

GREEN-SKILL DEVELOPMENT

School of Nursing

List of Electives

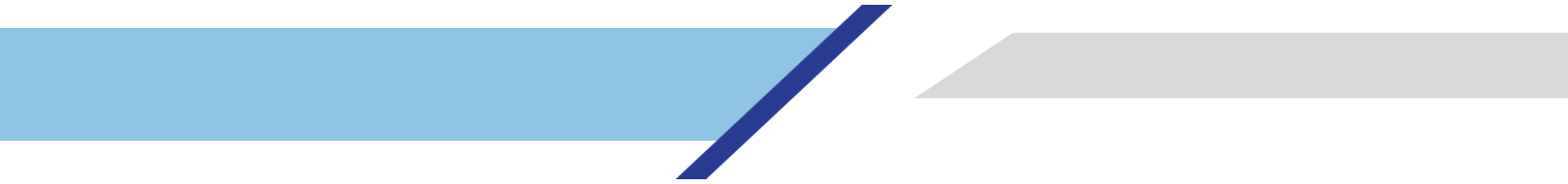
Elective-1

| SI No | Course Code | Name of the Electives | Assessment Pattern | | | | | | |
|-------|-------------|-----------------------|--------------------|---|---|---|----|-----|-----|
| | | | L | T | P | C | IA | MTE | ETE |
| 1 | | NA | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |

School of Nursing

Elective-2

| SI No | Course Code | Name of the Elective | Assessment Pattern | | | | | | |
|-------|-------------|----------------------|--------------------|---|---|---|----|-----|-----|
| | | | L | T | P | C | IA | MTE | ETE |
| | | NA | | | | | | | |



Detailed Syllabus

School of Nursing

| | | | | | |
|---------------------------|---|----------|----------|----------|----------|
| Name of The Course | Anatomy & Physiology | | | | |
| Course Code | APN101 | | | | |
| Prerequisite | 10+2 with PCB 55% | | | | |
| Co-requisite | Anatomy physiology lab with models, charts, log book, Group projects, Video film, Anatomy & Physiology Atlas. | | | | |
| Anti-requisite | NA | | | | |
| | | L | T | P | C |
| | | 4 | 0 | 0 | 4 |

Course Objectives

1. To enable students to acquire knowledge of normal structure of human body system
2. To enable students to acquire knowledge of normal functions of each body system
3. To identify any deviations from normal to abnormal
4. To apply knowledge of anatomy and physiology to treat disease conditions in hospital settings.

Continuous Assessment Pattern

| | | |
|---|----------------------------|--------------------|
| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
| 12.5+12.5 | 75 | 100 |

Course Content:

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|---|
| <p>Unit-1 Introduction to Anatomical terms organization of the human body and Cell Physiology 5 + 4 hours</p> <p>Anatomy Human Cell structure. Tissues – Definition, Types, characteristics, classification, location, functions & formation. Membranes and glands – classification and structure</p> <p>Physiology Cell Physiology. Tissue formation, repair. Membranes & glands – functions Alterations in disease .Applications and implications in nursing</p> |
| <p>Unit-2 The Skeletal System 6+4 hours</p> <p>Anatomy Bones – types, structure, Axial & Appendicular Skeleton, Bone formation and growth, Description of bones, Joints classification and structure</p> <p>Physiology Bone formation & growth. Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing, Joints and joint movement Alterations in disease. Applications and implications in nursing</p> |
| <p>Unit-3 The Muscular System 7+4 hours</p> <p>Anatomy Types and structure of muscles, Muscle groups</p> <p>Physiology Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture , Alterations in disease, Applications and implications in nursing</p> |
| <p>Unit-4 The nervous System 6+7 hours</p> <p>Anatomy</p> |

| |
|--|
| <p>Structure of neurologia & neurons, Somatic Nervous system, Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves Autonomic Nervous System –Sympathetic, parasympathetic, Structure, location</p> <p>Physiology Functions of Neurologia & neurons, Stimulus & nerve-impulse- definitions and mechanism, Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid-composition, circulation and function Reflex arc, Reflex action and reflexes, Automatic functions –Pain: somatic, visceral and referred, Automatic learning and biofeedback Alterations in disease, Applications and implications in nursing</p> |
| <p>Unit-5 The Sensory Organs 6+4 hrs</p> <p>Anatomy Structure of skin, eye, ear, nose tongue, (Auditory and olfactory apparatus)</p> <p>Physiology Functions of skin, eye, ear, nose, tongue, Alterations in disease, Applications and implications in nursing</p> |
| <p>Unit -6 Circulatory and lymphatic system 7+8 hrs</p> <p>Anatomy The Circulatory System: Blood – Microsoft structure, Structure of Heart, Structure of blood vessels- Arterial & Venous System, Circulation: Systemic, pulmonary, coronary, Lymphatic System, Lymphatic vessels & lymph, Lymphatic tissues: Thymus gland, Lymph nodes, Spleen, Lymphatic tissues</p> |

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|--|
| <p>Physiology Blood formation, composition, blood groups, blood coagulation, Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation, Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, Control, factors influencing BP and Pulse, Alterations in disease, Applications and implications in nursing</p> |
| <p>Unit -7 The Respiratory System 5+6 hrs</p> <p>Anatomy Structure of the organs of respiration, Muscles of respiration: Intercostals and Diaphragm</p> <p>Physiology Functions of respiratory organs, Physiology of respiration, Pulmonary ventilation, Volume , Mechanics of respiration, Gaseous exchange in lungs, Carriage of oxygen & carbon-dioxide, Exchange of gases in tissues, Regulation of respiration Alterations in disease, Applications and implications in nursing</p> |
| <p>Unit – 8 The Digestive System 6+6 hrs</p> <p>Anatomy: structure of Alimentary tract and accessory organs of digestion</p> <p>Physiology Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas. Metabolism of carbohydrates, protein and fat.</p> |
| <p>Unit – 9 The Excretory system (Urinary) 4+5 hrs</p> <p>Anatomy</p> |

Structure of organs of urinary System: Kidney, Ureters, urinary, bladder, urethra, structure of skin.
Physiology
 Functions of kidneys, ureters, urinary bladder & urethra. Composition of urine. Mechanism of urine formation. Functions of skin. Regulation of body temperature. Fluid and electrolyte balance

Unit -10 The Endocrine system
4+5 hrs
Anatomy
 Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands
Physiology
 Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes

Unit – 11 Reproductive System including breast
4+5 hrs
Anatomy
 Structure of female reproductive organs, Structure of male reproductive organs, Structure of breast, Alterations in disease.
Physiology
 Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. Functions of female reproductive organs; Functions breast, Female sexual cycle. Introduction to embryology. Functions of male reproductive organs, Male function in reproduction, Male fertility system. Alterations in disease. Applications and implications in nursing.

Unit – 12 The Lymphatic and immunological system
2 hours

Circulation of lymph. Immunity. Formation of T-cells and B cells. Types of Immune response. Antigens. Cytokines. Antibodies

Suggested Reading

Text Book (s)

1. Cohen – Memmler’s Structure & Function of Human Body, 2009, LWW.
2. Waugh – Ross & Wilson Anatomy & Physiology, 2008, Elsevier.
3. Tortora – Anatomy & Physiology, 2007, Wiley

Reference Book (s)

1. Chaurasia – Human Anatomy, 2005, CBS Publishers
2. Standring - Gray’s Anatomy, 2006, Elsevier
3. Snell – Clinical Anatomy by Regions, WK.

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|---------------------------|---|---|---|---|
| Name of The Course | NUTRITION & BIOCHEMISTRY | | | |
| Course Code | NBN102 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | Nutrition & Biochemistry lab, charts, log book, Group projects, Video film, Cooking, preservation of food | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |

| | | | | |
|--|--|---|---|---|
| | | | | |
| | | 3 | 0 | 0 |
| | | | | 3 |

Course Objectives

1. To enable students to acquire knowledge of the classification, functions, sources and recommended daily allowances of food in health and disease conditions.
2. To enable students to acquire knowledge in metabolism of Fat, Carbohydrates and Proteins.
3. Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats, carbohydrates, proteins, and water. (N)
4. To assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing. (B)
5. To apply knowledge of nutrition and biochemistry to treat disease conditions in hospital settings.
- 6.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| <p>Unit-1 Describe the relationship between nutrition & Health (N) Introduction To Biochemistry (B) 4+3 hrs</p> |
|--|

Nutrition: History, Concept, Role of nutrition in maintaining health, Nutritional problems in India, National nutritional policy, Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. Role of food and its medicinal value, Classification of foods, Food standards, Elements of nutrition: macro and micro Calorie, BMR.

Biochemistry: Definition and significance in nursing, Review of structure, Composition and functions of cell Prokaryote and Eukaryote, cell organization, Microscopy.

Unit-2 Carbohydrates(N)

2+6 Hrs

Cell membrane (B)

Nutrition: Classification, Calorie Value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism of Carbohydrates.

Biochemistry: Structure and functions of Cell membrane: Fluid mosaic model tight junction, Cytoskeleton, Transport mechanism: diffusion osmosis, filtration, active channel, sodium pump, Acid base balance-maintenance & diagnostic tests, Ph buffers.

Unit-3 FATS (N)

2 +6 hrs

metabolism of Carbohydrates (B)

Nutrition: Fats: Classification, Caloric value, Recommended daily allowances, Dietary sources, Functions, Digestion absorption and storage, metabolism, Malnutrition: Deficiencies and over consumption.

Biochemistry: Composition and metabolism of Carbohydrates: Types, structure, composition and uses:

Monosaccharide, Disaccharides, Polysaccharides
Oligosaccharides, Metabolism: Pathways of glucose:
Glycolysis, Gluconeogenesis: Cori's cycle, Tricarboxylic
acid (TCA) cycle, Glycogenolysis: Pentose phosphate,
Pathways (Hexose monophosphate) Regulation of blood
glucose level, Investigations and their interpretation.

Unit-4 Vitamins(N)

2+4 hrs

metabolism of Lipids (B)

Nutrition: Vitamins: Classification, Recommended
daily allowances, Dietary sources, Functions
Absorption, synthesis, metabolism storage and,
excretion, Deficiencies, Hyperminosis.

Biochemistry: Composition and metabolism of Lipids
(B): Nomenclature, Roles and Prostaglandins,
Metabolism of fatty acid Breakdown, Synthesis,
Metabolism of triacylglycerols, Cholesterol metabolism:,
Biosynthesis and its Regulation Bile salts and bilirubin
, Vitamin D, Steroid hormones. Lipoproteins and their
functions: VLDLs- IDLs, LDLs and HDLs Transport of
lipids Atherosclerosis, Investigations and their
interpretations

**Unit-5 Daily calorie requirement for different
categories of people(N)**

3+6 hrs

**Composition and metabolism of Amino acids and
Proteins (B)**

Nutrition: Energy: Unit of Energy – Kcal Energy
requirements of different categories of people,
Measurements of energy ,Body Mass Index (BMI) and
basic metabolism, Basal Metabolic Rate (BMR) -
determination and factors affecting BMR.

Biochemistry: Composition and metabolism of Amino
acids and Proteins, Types, structure, composition and

uses of Amino acids and Proteins, Metabolism of Amino
acids and Proteins ,Protein synthesis, targeting and
Glycosylation , Chromatography, Electrophoresis
Sequencing, Metabolism of Nitrogen ,Fixation and
Assimilation, Urea Cycle, Hemes and chlorophylls,
Enzymes and co-enzymes; Classification, Properties,
Kinetics and inhibition, Control, Investigations and their
interpretations.

Unit-6 Vitamins (N)

4+2 hrs

Composition of Vitamins and minerals(B)

Nutrition: Vitamins: Classification, Recommended
daily allowance, Dietary sources, Functions: Absorption,
synthesis, metabolism, storage and excretion,
Deficiencies Hypervitaminosis.

Biochemistry: Composition of Vitamins and minerals,
Vitamins and minerals: Structure, Classification,
Properties, Absorption, Storage & transportation, Normal
Concentration, Investigations and their interpretation.

Unit-7 Minerals (N)

4+3 hrs

Nutrition: Classification ,Recommended daily
allowances, Dietary sources, Functions, Absorption,
synthesis, metabolism storage and excretion,
Deficiencies, Over consumption and toxicity

Biochemistry: Immune response, structure &
classification of Immunoglobulin's, Mechanism of
antibody production, Antigens- HLA typing, Free radical
& antioxidants, Specialized proteins- collagen, elastin,
keratin, myosin, lens protein, Elecrophoretic &
quantitative determination of immunoglobulin's- ELISA.
Etc., Investigations & their interpretation.

Unit-8 Sources, functions and requirements of water & electrolytes (N)

3 hrs

Water & electrolytes: Water: Daily requirement, regulation of water metabolism, and distribution of body water, Electrolytes: Types, sources, composition of body fluids, Maintenance of fluid & electrolyte balance, Over hydration, dehydration and water intoxication, electrolyte imbalances.

Unit-9 Cookery rules and preservation of nutrients (N) **5 hrs**

* Principles, methods of cooking and serving, Preservation of nutrients, Safe Food handling-toxicity, Storage of food, Food preservation, food additives and its principles, prevention of food adulteration Act (PFA), Food standards, Preparation of simple beverages and different types of food.

Unit-10 Balanced diet (N)

7 hrs

Balanced diet: Elements, Food groups, Recommended Daily allowance, Nutritive value of foods, Calculation of balanced diet for different categories of people, Planning menu, Budgeting of food, Introduction to therapeutic diets: Naturopathy – diet.

Unit-11 Role of nurse in nutritional programmes (N) **4 hours**

National programmes related to nutrition: Vitamin A deficiency programme, National iodine deficiency disorders (IDD) programme, Mid-day meal programme, Integrated child development scheme (ICDS), National and International agencies working towards

food/nutrition, NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc., Assessment of nutritional status, Nutrition education and role of nurse

School of Nursing

Suggested Reading

Text Book (s)

1. Nutrition and Biochemistry for Nurses, 2nd Edition Authors: Venkatraman Shreemathy Sucheta P Dandekar, Paperback ISBN: 9788131235850, eBook ISBN: 9788131240205 Imprint: Elsevier Published Date: 20th May 2015
2. Text book of Biochemistry for Nurses, year: 2011

Reference Book (s)

1. Medical Biochemistry for nurses as per INC, DR. SHWETA SINGH, Kumar publisher
2. Nutrition and health for nurses, by AK JAIN, Anchal publishing co
3. Biochemistry & Nutrition for B.Sc. Nursing, Textbook by Manjula Shantaram.

| | |
|---------------------------|---|
| Name of The Course | Nursing Foundations |
| Course Code | FON103 |
| Prerequisite | 10+2 PCB 55% |
| Co-requisite | Demonstration, Group projects, Video film, charts |
| Anti-requisite | NA |

| | | | | |
|--|----------|----------|----------|----------|
| | L | T | P | C |
| | 9 | 0 | 0 | 9 |

Course Objective

This course is designed to help the students to develop and understanding of the philosophy, objectives, theories and process of nursing in various supervised clinical settings. It is aimed at helping the students to acquire knowledge, understandings and skills & techniques of nursing and practice them in supervised clinical settings.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|--|
| <p>Unit-1 Introduction</p> <p>10HRS</p> |
| <p>Concept of Health: Health – Illness continuum, Factors influencing health, Causes and risk factors for developing illness, Body defenses: Immunity and immunization, Illness and illness Behavior: Impact of illness on patient and family, Health Care Services: Health Promotion and prevention and Primary Care, Diagnosis, Treatment,</p> |

Rehabilitation and Continuing Care, Health care teams, Types of health care agencies, Hospitals: Types, Organization Functions, Health Promotion and Levels of Disease Prevention, Primary health care and its delivery: Role of nurse.

Unit-2 Nursing as a profession

16HRS

Definition and Characteristics of a profession , Nursing: Definition, Concepts, philosophy, objectives, Characteristics, nature and scope of nursing practice, Functions of nurse ,Qualities of a nurse - Categories of nursing personnel, Nursing as a Profession, History of Nursing in India, Values: Definition, Types, Values, Clarification and values in professional Nursing: Caring and Advocacy
Ethics: Definition and Ethical Principles, Code of ethics and professional conduct for nurses.

Unit-3 Hospital admission and discharge

4HRS

Admission to the hospital, Unit and its preparation admission bed, Admission procedure Special considerations Medico-legal issues Roles and Responsibilities of the nurse Discharge from the hospital
- Types: Planned discharge, LAMA and abscond, Refer and transfers, Discharge Planning, Discharge procedure Special considerations, Medico--legal issues, Roles Responsibilities of the nurse, Care of the unit at discharge.

Unit-4 Communication & Nurse patient relationship

10 HRS

Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication- Methods of Effective Communication,- Attending skills, Rapport building skills, Empathy skills, Barriers to effective communication, Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship, • Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly) • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in nursing process.

Unit-5 The Nursing Process

15HRS

Critical Thinking and Nursing Judgment Critical Thinking and Learning, o Competencies, Attitudes Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview: Application in Practice o Nursing process format: INC, current format o Assessment Collection of Data: Types, Sources, Methods - Formulating Nursing judgment: Data interpretation of Nursing diagnosis - Identification of client problems - Nursing diagnosis statement and Difference between medical and nursing diagnosis, o Planning, Implementation, Evaluation of patient care, Documentation & reporting.

UNIT-6 Documentation and Reporting

4HRS

• Documentation: Purposes of Recording and reporting • Communication within the Health Care Team, • Types of records; ward records, medical/nursing records, • Common Record-keeping forms, Computerized documentation • Guidelines for Reporting: Factual Basis,

Accuracy, Completeness, currentness, Organization, confidentiality • Methods of Recording,• Reporting: Change-of shift reports: Transfer reports, Incident reports • Minimizing legal Liability through effective record keeping.

UNIT-7 Vital Signs

15HRS

Importance, Guidelines for taking vital signs: Body temperature: Physiology, Regulation, Factors affecting body temperature, Assessment of body temperature: sites, equipments and technique, special considerations Temperature alterations: Heatstroke, Hypothermia Hot and cold applications , Pulse Physiology and Regulation Characteristics of the pulse, Factors affecting pulse Assessment of pulse: sites, location, equipments and technique, special considerations, Alterations in pulse Respiration: Physiology and Regulation, Mechanics of breathing, Characteristics of the respiration, Factors affecting respiration. Assessment of respirations: techniques, special considerations, Alterations in respiration Blood pressure: Physiology and Regulation, Characteristics of blood pressure, Factors affecting blood pressure Assessment of blood pressure: sites, equipments and technique, special considerations Alterations in blood pressure, Recording of vital signs.

UNIT-8 Health Assessment

30HRS

Purposes, Process of Health assessment- Health history Physical examination: Methods- inspection, Palpation, Percussion, Auscultation, Olfaction. General assessment , Assessment of each body System Recording of health assessment.

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| <p>UNIT-9 Machinery, equipments & linen</p> <p style="text-align: right;">5HRS</p> |
| <p>Types: Disposables and re-usable- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction: - Indent - Maintenance – Inventory.</p> |
| <p>UNIT-10 Meeting needs of patient</p> <p style="text-align: right;">60HRS</p> |
| <p>Basic needs (Activities of daily living) Providing safe & clean environment: - Physical -environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control Reduction of Physical hazards: fire, accidents - Safety devices: Restraints, side rails, airways, trapez etc - Role of nurse in providing safe and clean environment Hygiene: Factors Influencing Hygienic Practice - Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Care of cavity, Hair Care, Eyes, Ears, and Nose</p> <ul style="list-style-type: none"> • Assessment, Principles, Types, Equipments, Procedure, Special Considerations - Patient environment: Room Equipment and linen, • Making patient beds Types of beds and bed making Comfort: - - Factors Influencing Comfort - Comfort devices Physiological needs: -Sleep and Rest: - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep, Sleep Disorders Nutrition: - - Importance - Factors affecting nutritional - Assessment of nutritional needs: Variables - Meeting Nutritional needs: Principles, equipments, procedure and special considerations -Oral - Enteral: Naso/ Orogastric, gastrostomy - Parenteral: - Urinary Elimination - Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination Alteration in Urinary Elimination Types and Collection of urine specimen: Observation, urine testing Facilitating urine elimination: assessment, types, equipments, procedures and special considerations - Providing urinal / bed pan o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation f Bowel Elimination - Review of Physiology of Bowel |

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| <p>Elimination, Composition and characteristics of faeces - Factors affecting Bowel elimination - Alteration in Bowel Elimination - Types and Collection of specimen of faeces: Observation - Facilitating bowel elimination: assessment, equipments, procedures and special considerations Passing of Flatus tube Enemas Suppository Sitz bath Bowel wash Care of Ostomies Mobility and Immobility - Principles of Body Mechanics - Maintenance of normal body alignment and mobility - Factors affecting body Alignment and mobility - Hazards associated with immobility - Alteration in body Alignment and mobility - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects Range of motion exercises of Maintaining body alignment: Positions Moving Lifting Transferring Walking Restraints - Oxygenation - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations Maintenance of patent airway Oxygen administration Suction Inhalations: dry and moist Chest physiotherapy and postural drainage .Care of Chest drainage Pulse oximetry CPR- Basic life support Fluid, Electrolyte, and Acid — Base Balances - Review of Physiological Regulation of Fluid, Electrolyte, and Acid -Base Balances - Factors Affecting Fluid, Electrolyte, and Acid - Base Balances - Alterations in Fluid, Electrolyte, and Acid - Base Balances Nursing interventions in Fluid, Electrolyte, and Acid - Base imbalances: assessment, types, equipment, procedure and special considerations o Measuring fluid intake and output Correcting Fluid, Electrolyte Imbalance: Replacement of fluids: Oral and Parenteral Venipuncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, Administering Blood transfusion Restriction of fluids Psychosocial Needs Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving Assessment of psychosocial needs - Nursing intervention for psychosocial needs - Assist with coping and adaptation - Creating therapeutic environment o Recreational and diversional therapies.</p> |
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| <p>UNIT-11 Infection control in clinical settings 20HRS</p> |
| <p>Infection control Nature of infection Chain of infection transmission Defenses against infection: natural acquired Hospital acquired infection (Nosocomial infection) • Concept of asepsis: medical asepsis, and surgical asepsis Isolation precautions (Barrier nursing): - Hand washing simple, hand antisepsis and surgical antisepsis (scrubbing) Isolation: source and protective - Personal protective equipments: types, uses and technique of wearing and removing - Decontamination of equipment and unit Transportation of infected patients - Standard safety precautions (Universal precautions) - Transmission based precautions • Biomedical waste management: - Importance Types of hospital waste - Hazards associated with hospital waste - Decontamination of hospital waste - Segregation Transportation and disposal of hospital waste.</p> |
| <p>UNIT-12 Administration of medication 40HRS</p> |
| <p>General principles, consideration, purposes of medication rights of the patients. Safety in administering medication Medications and Medication Errors; Drug Forms; Routes of administration Storage and maintenance of drug, Brand classification of drugs:- Therapeutic Effect, Side Effects Toxic Effects, Idiosyncratic Reactions, Allergic Reactions Drug Tolerance, Drug Interactions, - Factors Influencing drug Actions, - Systems of Drug Measurement: Metric System, Apothecary System Household Measurements, Solutions. Conversion of Measurements Units: Conversion within one system Conversion between systems, Dosage Calculations Terminologies and abbreviations used in prescriptions medications Oral Drugs Administration: Oral, Sub-lingual and Buccal: Equipment, procedure, Parenteral- General principles: decontamination and disposal of syringes</p> |

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| <p>needles Types of parenteral therapies, Types of syringes, needle canula, and infusion sets, Protection from Needle stick Injuries : Giving Medications with a safety syringes, Routes of parenteral therapies Intra-dermal: purpose, site, equipment, procedure, special considerations, Subcutaneous: purpose, site, equipment, procedure, special considerations, Intramuscular: purpose, site, equipment, procedure, special considerations, Intravenous: purpose, site, equipment, procedure, special considerations and Nurses responsibility.- Advanced techniques: epidural, intra-thecal, intra-osseous, intraperitoneal, intra-plural, intra-arterial-Role of nurse, Topical Administration: purposes, site, equipment, procedure, special considerations for Application to Skin Application to mucous membrane- Direct application of liquids-Gargle and swabbing the throat- Insertion of Drugs into body cavity: Suppository, medicated packing rectum/vagina- Instillations:, Ear, Eye, Nasal, Bladder, Rectal- Irrigations: Eye, Bladder, Vaginal and Rectal- Spraying: Nose and throat Inhalation: Nasal, oral, endotracheal (sterilized oxygen and medications) purposes, types, equipment, procedure, special considerations - Recording and reporting of medications administered.</p> |
| <p>UNIT-13 Meeting needs of Peri-operative patients 10HRS</p> |
| <p>Definition and concept of Peri operative Nursing Preoperative Phase- Preparation of patient for surgery Intra-operative, Operation theatre Set up and environment Role of nurse, Postoperative Phase, Recovery unit Post operative unit, Postoperative care, Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Surgical asepsis, Care of the wound: types, equipments, procedure and special considerations- Dressings, Suture Care,- Care of Drainage</p> |

Application of Bandages,
Binders, Splints & Slings- Heat and Cold Therapy
Healing.

UNIT-14 Meeting special needs of patient

15HRS

Care of patients having alteration in: - Temperature (hyperthermia and hypothermia); Types, Assessment, Management
Sensorium (Unconsciousness); Assessment, Management
Urinary Elimination (retention and incontinence)
Assessment, Management - Functioning of sensory organs (e.g. Visual & hearing impairment) - Assessment of Self-Care ability - Communication Methods and special considerations
- Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations - Mental state (mentally challenged)
assessment of Self-Care ability; - Communication Methods and special considerations - Respiration (distress); Types, Assessment, Management
Comfort - (Pain) - Nature, Factors influencing Pain, Coping, Assessment, Management
Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric analysis

UNIT-15 Care of Terminally ill patient

5HRS

Concepts of Loss, Grief, grieving Process - Signs of clinical death - Care of dying patient: special considerations
Advance directives: euthanasia, will, do not resuscitate declaration, organ donation etc - Medico-legal issues - Care of dead body: equipment, procedure and care of unclaimed Autopsy – Embalming.

UNIT-16 Professional Nursing concepts and practices

5HRS

Conceptual and theoretical models of nursing practice
Introduction to models- holistic model, health belief model, health promotion model etc
Introduction to Theories of Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's Linking theories with nursing process

**School of Nursing
Suggested Reading**

Text Book (s)

1. Taylor – Fundamentals of Nursing, 2007, LWW
2. Kozier – Fundamentals of Nursing, 2007, Pearson
3. Potter – Basic Nursing, 2008, Elsevier

Reference Book (s)

- 1 Lynn – Taylor's Clinical Nursing Skills, 2008, LWW
2. Craven – Fundamentals of Nursing, 2010, LWW
3. LWW – Lippincott's Nursing Procedure, 2008, LWW.
4. Jacob – Clinical Nursing Skills & Procedures, 2008, Jaypee

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|---------------------------|---|
| Name of The Course | Psychology |
| Course Code | PSN104 |
| Prerequisite | 10+2 PCB 55% |
| Co-requisite | Demonstration, Group projects, Video film, charts |

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|-----------------------|----|----------|----------|----------|----------|
| Anti-requisite | NA | | | | |
| | | L | T | P | C |
| | | 2 | 0 | 0 | 2 |

Course Objectives

This course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| Unit-1 Introduction | 2HRS |
| History and origin of science of psychology, Definitions & Scope of Psychology, Relevance to nursing, Methods of Psychology. | |
| Unit-2 Biology of behaviour | 7HRS |

Body mind relationship- modulation process in health and illness;
Genetics and behaviour: Heredity and environment;
Brain and Behaviour- nervous system, neurons and synapse, Association Cortex, Rt and Lt Hemispheres, Psychology of Sensations, Muscular and glandular controls of behavior, Nature of behaviour of an organism/Integrated_responses.

Unit-3 Cognitive processes

24HRS

Attention:

Types, determinants Duration & degree, alterations;
Perception: Meaning, Principles factors affecting, Errors;

Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits;

Memory: Meaning, Types, Nature Factors influencing, Development Theories and methods of memorizing and Forgetting

Thinking: Types and levels, stages of development, Relationship with language and communication;

Intelligence: Meaning, classification, uses, theories;
Aptitude: Concept, types, Individual differences and variability; Psychometric assessments of cognitive processes; Alterations in cognitive processes; Applications

Unit-Motivation

12HRS

Definition, Purpose, scope and need, Basic principles, Organization of counseling services, Types of counseling approaches, Role and preparation of counselor, Issues for counseling in nursing: students and

practitioners, Counseling process — steps & techniques, tools of counselor ,Managing disciplinary problems, Management of crisis & referr Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, Conflicts and frustration, conflict resolution.Emotions & stress Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness. Stress: stressors, cycle, effect, adaptation & coping. Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes Attitudinal change, Psychometric assessments of emotions and attitudes, Alterations in emotions Applications.

Unit-5 Personality **9HRS**

Definitions, topography, types, Theories, Psychometric assessments of personality, Alterations in personality, Applications, Alterations in disease, Applications and implications in nursing

UNIT-6 Developmental psychology **9HRS**

Psychology of people at different ages from infancy to old age.,Psychology of vulnerable individuals-challenged, women, sick, etc.,Psychology of groups.

UNIT-7 Mental hygiene and mental health **11HRS**

Concepts of mental hygiene and mental health., Characteristics of mentally healthy person., Warning signs of poor mental health.,Promotive and Preventive

mental health- strategies and services, Ego Defense mechanisms and implications., Personal and social adjustments., Guidance and counseling., Role of nurse.

UNIT-8 Psychological assessment & tests **6HRS**

Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment.

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Suggested Reading

1. R Sreevani – Psychology for Nurses , 2012, Jaypee Brothers Medical Publishers.
2. Basavanthappa BT- Psychology for Nursing, 2010, Jaypee Brothers Medical Publishers.
3. A.B Salgado –Introductory Psychology for Nursing and Allied Health Sciences, 2010, Jaypee Brothers Medical Publishers

Reference Book (s)

1. Mark Breedlove – Principles of Psychology, 2005, Oxford University Press.
2. I Clement – Textbook on Psychology, 2016, Jaypee.
3. Madhavi & pratibha – A Textbook of Psychology,2015, Vijayam Publications

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|---------------------------|--------------|
| Name of The Course | Microbiology |
| Course Code | MBN105 |

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|-----------------------|---|----------|----------|----------|
| Prerequisite | 10+2 PCB 55% | | | |
| Co-requisite | Demonstration, Group projects, Video film, charts | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 2 | 0 | 0 | 2 |

Course Objectives

This course is designed to enable students to acquire understanding of fundamentals of Microbiology and identification of various micro-organisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|----------------------------|--------------|
| Unit-1 Introduction | 5 HRS |
|----------------------------|--------------|

Importance and relevance to nursing, Historical perspective, Concepts and terminology, Principles of microbiology

Unit-2 General Characteristics of Microbes 14+7HRS

Structure and classification of Microbes, Morphological types, Size and form of bacteria, Motility Colonization, Growth and nutrition of microbes, Temperature, Moisture, Blood and body fluids Laboratory methods for Identification of Microorganisms, Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation Culture; various medias

Unit-3 Infection control 14+2HRS

Infection: Sources, portals of entry and exit, transmission, Asepsis, Disinfection; Types and methods, Sterilization; Types and Methods, Chemotherapy and antibiotics, Standard safety measures, Biomedical waste management, Role of Nurse, Hospital acquired infection, Hospital infection control programme, Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc

Unit-4 Pathogenic organisms

16+6 HRS

Micro-organisms - Cocci — gram positive and gram negative, bacilli— gram positive and gram negative, Spirochaete, Mycoplasma, Rickettsiae, Chlamydiae, Viruses - Fungi -Superficial and Deep, mycose,

Reference Book (s)

1. Dr. Reeba Kanungo – Ananthanarayan and Paniker's Textbook of Microbiology, 10th Edition, Jaypee
2. CP Baveja – Textbook of Microbiology ,6th Edition, 2019, Arya Publications

Parasites, Rodents & vectors, Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms, Collection, handling and transportation of various specimens.

**Unit-5 Immunity
11+5HRS**

Immunity-Types, classification, Antigen and antibody reaction, Hypersensitivity — skin test Serological tests, Immunoprophylaxis, Vaccines & sera -Types & Classification, storage and handling, cold chain, Immunization for various diseases, Immunization Schedule.

Suggested Reading

Text Book (s)

1. Dr. C.P Baweja – Textbook of Microbiology for Nursing , 2007, Jaypee
3. Anju Dhir– Textbook of Microbiology for BSc & Post Basic Nursing Students , 2019, Atithi Medical Books.
3. Apurba S Sastry –Essentials of Microbiology ,2018.
4. Apurba S Sastry – Review of Microbiology and Immunology ,2019,

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|---------------------------|-------------------|
| Name of The Course | ENGLISH |
| Course Code | ENG106 |
| Prerequisite | 10+2 with PCB 55% |

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| Co-requisite | 10+2 PASS WITH ENGLISH AS COMPULSARY SUBJECT, Group Projects, Video Film Of English Authors, English Films | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 2 | 0 | 0 | 2 |

Course Objectives

1. Speak and write grammatically correct English.
2. Develop ability to read, understand and express meaningfully the prescribed text.
3. Develop skills in spoken English.
4. Develop skill in listening, comprehension.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

Unit-1 Introduction to English
10 hrs
Review of Grammar Remedial study of Grammar, Building Vocabulary, Phonetics, Public Speaking. Demonstrate use of dictionary, Class room Conversion, Exercise on use of grammar, Practice in public speaking

Unit-2 Develop ability to read, understand and express meaningfully

30 hrs

the prescribed text, Read and comprehend prescribed course books

Reading, Summarizing, Comprehension

Unit-3 Various forms of Composition

10 hrs

Letter writing, Note taking, Precise writing, Nurses notes, Anecdotal records, Diary writing, Reports on health problems etc., Resume/CV

Letter writing, Nurses Notes, Precise, Diary, Anecdote, Health problems, Story writing, Resume/CV, Essay Writing, Discussion on written reports/ documents

Unit-4 Spoken English

6 hrs

Oral report, Discussion, Debate, Telephonic Conversation

Debating, Participating in Seminar, panel, symposium, Telephonic Conversation

Unit-5 Learning Comprehension

4 hrs

Media, audio, video, speeches etc

Listening to audio, video tapes and identify the key points

**School of Nursing
Suggested Reading**

Text Book (s)

- Selva Rose. 1997, Career English for Nurses. Cheiu;ai: Oient Longnan Ltd.

- Thomson A. J. and Maitüiet A. V. 1987, A licticl English Grammar, Delhi: Oxford University Press.

Reference Book (s)

- General English for B.Sc Nursing, 1st edition, Meena sharma
- O' Connor J. D, 1986. Better English h'onuwiation. Cambridge: University Press.
- By water F. V. A. 1982, Proficiency Course in Enish. London: 1-lodder and Stronglton.
- Oxford advanced Leaiiers Dictionary, 1996

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|---------------------------|---|
| Name of The Course | Nursing Foundations Practical |
| Course Code | FNP101 |
| Prerequisite | 10+2 PCB 55% |
| Co-requisite | Demonstration, Group projects, Video film, charts |
| Anti-requisite | NA |
| | L T P C |

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Course Objectives

This course is designed to help the students to develop and understanding of the philosophy, objectives, theories and process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques if nursing and practice them in clinical settings.

Continuous Assessment Pattern

| Internal Assessment (IA) | End Term Test (ETE) | Total Marks |
|--------------------------|---------------------|-------------|
| 100 | 100 | 200 |

Course Content:

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| Unit-1 Hospital admission & discharge 5HRS |
| Admission, Prepare unit for new patient, Prepare admission bed, Perform admission procedure- new patient, transfer in, Prepare patient records, Discharge/Transfer out, Discharge counseling, Perform discharge procedure, Prepare records of discharge/transfer, dismantle & disinfect unit and equipment after discharge/transfer. |
| Unit-2 Perform Assessment 5HRS |

History taking, Nursing diagnosis, problem list, Prioritization, Goals & expected outcomes, selection of intervention, Write nursing care plan, Giving care as per the plan.

Unit-3 Communication & Reporting

5HRS

Use verbal & non verbal communication techniques, prepare a plan for patient teaching session, change of shift reports, transfer reports, Incident reports etc. , present patients report.

Unit-4 Vital Signs

5HRS

Measure, Records and interpret alterations in body temperature, Pulse, Respiration and Blood pressure

Unit-5 Health Assessment

30HRS

Health history taking, Perform assessment- general, body systems, Use various methods of physical examination, Inspection, Palpation, Percussion, Auscultation, Olfaction, Identification of system wise deviations.

UNIT-6 Prepare patient's unit

15HRS

Prepare beds- open, closed, occupied, operation, amputation, cardiac, fracture, burn, divided & fowlers bed, Pain assessment and provision for comfort, Use of comfort devices.

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| UNIT-7 Meeting needs of the patient | 70HRS |
| <p>Hygienic care- oral hygiene, bath & care of pressure points, Hair wash, Pediculosis treatment, Feeding- Oral, Enteral, Naso/Orogastric, gastrostomy & parenteral feeding, Naso-gastric insertion, suction & irrigation, Assisting patient in urinary elimination- provide urinal/bed pan, Condom drainage, Perineal care, Catheterization, Care of urinary drainage, Bladder irrigation assisting bowel elimination- Insertion of flatus tube, Enemas, Insertion of suppository, Bowel wash, Body alignment & mobility- Range of motion exercises, Positioning- Recumbent, Lateral, Fowlers, Sims, Lithotomy, Prone, Trendelenburg position, Assist patient in moving, lifting, transferring, walking, Restraints, Oxygen administration, Suctioning, Chest PT and postural drainage, Care of chest drainage, CPR-Basic life support, Intravenous therapy, Blood & blood component therapy, Specimen collection for investigations, Perform lab tests, Hot & cold applications, Communicating & assisting with self-care of – visually & hearing impaired patients, mentally challenged & disturbed patients, alteration of sensorium, Recreational & diversional therapies.</p> | |
| UNIT-8 Infection control | 15HRS |
| <p>Perform following procedures- Hand washing techniques, Simple, Hand antisepsis, surgical antisepsis(scrub), Prepare isolation unit in lab/ward, Practice technique of wearing & removing Personal protective equipment (PPE), Practice standard safety precautions, Decontamination of equipment & unit-Surgical asepsis: sterilization, Handling sterilized equipment, calculate strength of lotions, Prepare lotions, Care of articles.</p> | |

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| UNIT-9 Pre & perioperative care | 15HRS |
| <p>Skin preparation for surgery, Preparation of post operative unit, Pre and post operative teaching and counseling, pre and post operative monitoring, Care of the wound- Dressing, suture care, care of drainage, Application of Bandages, Binders, Splints & Slings, Bandaging of various parts.</p> | |
| UNIT-10 Administration of medication | 30HRS |
| <p>Administer medications in different forms & routes- Oral, Sublingual & Buccal, Parenteral- Intradermal, Subcutaneous, Intramuscular, Intravenous, assist in intravenous medications, Drug measurement & dose calculation, Preparations of lotions & solutions, Administers topical application, Insertion of drug into body cavity- suppository & medicated packing, Instillation of medication and spray into ear, Eyes, Nose & Throat, Irrigations- Eye & Ear, Bladder, Vagina & Rectum, Inhalations- Dry & moist.</p> | |
| UNIT-11 Care of dying patient | 5HRS |
| <p>Caring & Packing of the dead body, counseling & supporting grieving relatives, Terminal care of the unit.</p> | |

School of Nursing

Suggested Reading

- Text Book (s)1. Taylor – Fundamentals of Nursing, 2007, LWW
 2. Kozier – Fundamentals of Nursing ,2007,Pearson
 3. Potter – Basic Nursing ,2008,Elsevier
- Reference Book (s) 1 Lynn – Taylor’s Clinical Nursing

Skills,2008,LWW

2. Craven – Fundamentals of Nursing ,2010,LWW

3. LWW – Lippincott’s Nursing Procedure, 2008, LWW.

4. Jacob – Clinical Nursing Skills & Procedures ,2008,Jaypee

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

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|---------------------------|--|----------|----------|----------|
| Name of The Course | Introduction to computer | | | |
| Course Code | ICN107 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | Computer Lab, Group projects, Video film | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
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Course Content:

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| Unit-1 Introduction <ul style="list-style-type: none"> ● Concepts of Computers ● Hardware and software; trends and technology ● Application of computers in nursing. Charts 3hours |
| Unit-2 Introduction to disk – operating system <ul style="list-style-type: none"> ○ DOS ○ Windows (all version) * Introduction <ul style="list-style-type: none"> ○ MS-Word ○ MS-Excel with pictorial presentation ○ MS-Access MS-Power point 6 hours |
| Unit-3 Multimedia Multimedia; types & uses * Computer aided teaching & testing 2 hrs |
| Unit-4 Internet Use of Internet and: e-mail 1 hr |
| Unit-5 Statistical Packages 2 hr |

Course Objectives

1. To enable students to Identify & define various concepts used in computer and application of computer in nursing
2. To enable students to demonstrate skill in the use of MS Office, internet and Email and multi-media.
3. To Identify features of computer aided teaching and testing
4. To apply knowledge of computer to describe and use the statistical packages and the use of Hospital Management System

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| * Statistical packages: types and their features |
| Unit-6 Hospital Management 1 hr |
| * Hospital Management System: Types and uses |

School of Nursing

Suggested Reading

Text Book (s)

1. Sood Ranju. "Computer for Nursing". 1st edition 2014; Avichal.
2. Shendurnikar Niranjana. "Computer for Nurses". 1st edition 201y; Jaypee brothers.

Reference Book (s)

1. Nursing informatics:Scielo.br

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|---------------------------|-------------------|
| Name of The Course | Sociology |
| Course Code | SON208 |
| Prerequisite | 10+2 with PCB 55% |
| Co-requisite | Sociology books |
| Anti-requisite | NA |
| | L T P C |
| | 2 0 0 2 |

Course Objectives

This course is designed to introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| Unit-1 INTRODUCTION | 1 hour |
| Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing | |
| Unit-2 Individual & Society | 3 |
| Hours Society and Community Nature of Society, Difference between Society and Community Process of Socialization and individualization Personal disorganization | |
| Unit-3 Culture | 5 |
| Hours Nature of culture, Evolution of culture | |

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| <ul style="list-style-type: none"> • Diversity and uniformity of culture • Culture and socialization, Transcultural society • Influence on health and disease | |
| <p>Unit-4 Social groups and processes</p> <p style="text-align: right;">6</p> <p>Hours The meaning and classification of groups primary and secondary groups Group: In-group V/s. Out-group, Class Tribe, Caste, Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation</p> | |
| <p>Unit-5 Population</p> <p style="text-align: right;">8</p> <p>Hours Society and population • Population distribution in India- Demographic characteristics • Malthusian theory of Populations • Population explosion in India and its impact on health status • Family welfare programmes</p> | |
| <p>Unit-6 Family and marriage</p> <p style="text-align: right;">7 Hours</p> <p>Family- Functions • Types-Joint, Nuclear, Blended and extended family: Characteristics • The Modern Family — Changes, Problems-Dowry etc., welfare Services • Changes & legislations on family and marriage in India - marriage acts • Marriage: Forms and functions of marriage,</p> | |

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| <ul style="list-style-type: none"> • Marriage and family problems in India • Family, marriage and their influence on health and health practices | |
| <p>Unit-7 Social stratification meaning and types of social stratification</p> <p style="text-align: right;">9</p> <p>Hours The Indian Caste System- origin & features, Features of Caste in India Today • Social Class system and status • Social Mobility-Meaning & Types • Race as a biological concept, criteria of racial classification • Salient features of Primary races- Racism • Influence of Class, Caste and Race on health and health practices</p> | |
| <p>Unit-8 Types of communities in India</p> <p style="text-align: right;">8</p> <p>Hours Types of Communities in India (Rural, Urban and Regional) Features of village ,community& Characteristics of Indian villages- Panchayat system, social dynamics Community Development, project & planning Changes in Indian Rural Life, Availability of health facilities in rural and its impact on health and health practices Urban Community features The growth of cities: Urbanization and its impact on health and health practices</p> | |
| <p>Unit-9 Social change</p> <p style="text-align: right;">6</p> <p>Hours • Nature and process of Social Change • Factors influencing Social change: cultural change, Cultural lag. • Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional</p> | |

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| Role of nurse-Change agents | |
| Unit-10 Social organization and social system | 6 |
| Hours | |
| <ul style="list-style-type: none"> • Democratic and authoritarian modes of participation, • Voluntary associations • Social system: Definition and Types of social system • Role and Status as structural elements of social system | |
| Inter-relationship of institutions | |
| Unit-11 Social Control | 4 |
| Hours | |
| <ul style="list-style-type: none"> • Nature and process of social control • Political, Legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values- Folkways & Mores, Customs, Laws and Fashion | |
| Role of Nurse. | |
| Unit-12 Social problems | 17 Hours |
| Social disorganization | |
| <ul style="list-style-type: none"> • Control & planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS. | |
| Social Welfare programmes in India | |
| Role of nurse | |

School of Nursing

Suggested Reading

Text Book (s)

1. KP Neeraja “Text book of Sociology for nursing students”.1st edition 20014; Jaypee publishers
2. TK Indrani “ Text book of sociology for nurses” 2nd th edition 2012; Jaypee publishers
3. Jyoti Srivastava “ Textbook of sociology for nursing students” 2st edition 2016, Kumar Publishing House

Reference Book (s)

1. I Clement “ Sociology for nurses” 2nd edition 2010,pearson publishers
2. Krishne Gowda “ sociology for nurses” 2nd edition , CR Publishing house
3. Karen willis and Shandell Elmer “ Society, culture and health “ 1st edition, Oxford publications

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|---------------------------|--|----------|----------|----------|
| Name of The Course | Pharmacology, Pathology ,Genetics | | | |
| Course Code | PPG209 | | | |
| Prerequisite | KNOWLEDGE of anatomy ,physiology and microbiology | | | |
| Co-requisite | Pathology lab with models, charts, log book, Group projects, Video film, Pathology Atlas, Pharmacology lab with models, charts, log book, Group projects, Video film, Pharmacology Atlas Genetic lab with models, charts, log book, Group projects | | | |
| Anti-requisite | | | | |
| | L | T | P | C |

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| | 3 | 0 | 0 | 3 |
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Course Objectives

1. This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.
2. This course is designed to enable students to acquire understanding of Pharmacodynamics, Pharmacokinetics and Principles of Therapeutics and Nursing implications.
3. This courses is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

PATHOLOGY

Unit-1INTRODUCTION

5 hours

Importance of the study of pathology, Definition of terms, Methods and techniques, Cellular and Tissue changes, Infiltration and regeneration, Inflammations and Infections, Wound healing, Vascular changes, Cellular growth, Neoplasms Normal and Cancer cell, Benign and Malignant growths, In situ carcinoma, Disturbances of fluid and electrolyte imbalance.

Unit-2 Pathological changes in disease conditions of various systems:

14

Hrs

Respiratory tract-Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Lung abscess, emphysema, bronchieatasis, Bronchial asthma, Chronic obstructive Pulmonary disease & tumours.
 Cardiovascular system
 Pericardial effusion, Rheumatic heart disease, Infective endocarditis, atherosclerosis, Ischemia, infarction & aneurysm
 Gastro Intestinal Tract
 - Peptic ulcer, typhoid,
 Carcinoma of GI tract - buccal, Esophageal,
 Gastric & intestinal, Liver,Gall bladder & pancreas,
 Hepatitis, Chronic liver abscess, cirrhosis, Tumours of liver, gall bladder and pancreas, Cholecystitis
 - Kidneys & Urinary tract
 - Glomerulonephritis, pyelonephritis, Calculi, renal failure, renal, carcinoma & cystitis
 - Male genital systems
 Cryptorchidism testicular, atrophy, Prostatic hyperplasia, Carcinoma Penis & prostate
 - Female genital system.
 Fibroids, Carcinoma cervix and Endometrium,
 Vesicular mole, choriocarcinoma, Ectopic gestation,
 Ovarian cyst & tumours, Cancer Breast.
 Central Nervous system
 Hydrocephalus, Meningitis, encephalitis,

| | |
|---|----------|
| Vascular disorders Thrombosis, embolism, Stroke, paraplegia, quadriplegia - Tumours, meningiomas | |
| Unit-3 Clinical pathology Hours Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin .RBC. White cell & platelet counts, Bleeding time, clotting time and prothrombine time, Blood grouping and cross matching, Blood chemistry, Blood culture, Serological and immunological tests, Other blood tests, Examination of Bone marrow, Methods of collection of blood, specimen for various clinical, pathology, biochemistry, microbiology tests, inference and normal values | 6 |
| Unit-4 Examination of body cavity fluids, transudates and exudates 4 Hours The laboratories tests used in CSF analysis, Examination of other body cavity fluids, transudates and exudates sputum, wound discharge etc. Analysis of gastric and duodenal contents. Analysis of semen-sperm count, motility and morphology and their importance in infertility. Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values. | |
| Unit-5 Urine and Faeces Hour Urine - Physical characteristics, Analysis, Culture and | 1 |

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|--|
| sensitivity. Faeces Characteristics, Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. Methods of collection for various tests, inference and normal values. |
| PHARMACOLOGY |
| Unit-1 Introduction to Pharmacology 8 Hours •Definitions •Sources •Terminology used •Types: Classification •Pharmacodynamics: Actions, therapeutic, •Adverse, toxic •Pharmacokinetics:absorption, distribution, metabolism, interaction, excretion •Review: Routes and principles of administration of drugs •Indian pharmacopoeia: Legal issues • Rational use of drugs •Principles of therapeutics |
| Unit-2 Chemotherapy 6 Hours Pharmacology of commonly used; Penicillin Cephalosporins. Aminoglycosides, Macrolide & Broad Spectrum Antibiotics, Sulfonamides, Quinolones. Antiamoebic, Antimalarials, Anthelmintics, Antiscabies agents, Antiviral & anti-fungal agents. •Antitubercular drugs•Anti leprosy drugs•Anticancer drugs •Immuno-suppressants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. |
| Unit- 3 Pharmacology of commonly used antiseptics, disinfectants and insecticides. 2 Hours |

- Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse
- Disinfectants
- Insecticides

Unit-4 Drugs acting on G.I. system **2 Hours**

- Pharmacology of commonly used- Antiemetics, - Emetics – Purgatives – Antacids - Cholinergic-Anticholinergics - Fluid and electrolyte therapy - Anti diarrhoeals - Histamines
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

Unit-5 Drugs used on Respiratory Systems **2 Hours**

- Pharmacology of commonly used- - Antiasthmatics, Mucolytics, Decongestants, Expectorants, Antitussives
- Bronchodilators, Broncho constrictors, Antihistamines, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, Adverse effects, toxicity and role of Nurse.

Unit-6 Drugs used on Urinary System Pharmacology of commonly **2 Hours**

- used-•Diuretics and antidiuretics •Urinary antiseptics
- Cholinergic and •anticholinergics
- Acidifiers and alkalanizeis •Composition, action, •dosage, route, indications,• contraindications, drug interactions, side effects, adverse • effects, toxicity and role of Nurse.

Unit-7 Miscellaneous **4 Hours**

- Drugs used in de-addiction • Drugs used in CPR and emergency • Vitamins and minerals •

Immunosuppressant

- Antidotes • Antivenom • Vaccines and sera

Unit-8 Drugs used on skin and mucous membranes **2 Hours**

Topical applications for skin, eye, ear, nose and buccal cavity, Antipruritics, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

Unit-9 Drugs acting on Nervous system **8 Hours**

Basic & applied pharmacology of commonly used:
 Analgesics and Anaesthetics
 Analgesics - Non steroidal anti Inflammatory (NSAID) drugs Antipyretics Hypnotics and Sedatives- Opioids - Non-Opioids – Tranquilizers - General I & local anesthetics - Gases: oxygen, nitrousoxide, carbon dioxide
 Cholinergic and anti-cholinergic: Musclerelaxants
 Major tranquilizers, Anti-psychotics, Antidepressants
 Anticonvulsants., Adrenergics, Noradregenics, Mood stabilizers, Acetylcholine, Stimulants, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.

Unit-10 Cardiovascular drugs **2 Hours**

- Haematinics • Cardiotonics, • Anti anginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics
- Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity, role of Nurse

Unit-11 Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy
4 Hours

• Insulins & Oral hypoglycemic • Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progestrone preparations • Corticotrophine & Gonadotropines • Adrenaline. • Prostaglandins - • Calcitonins • Calcium salt • Calcium regulators
Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.

Unit-12 Introduction to Drugs used in alternative systems of medicine:
6 Hours

• Ayurveda, Homeopathy, Unani and Siddha etc

GENETICS

Unit-1 Introduction:

4 Hours

• Practical application of genetics in Nursing • Impact of genetic condition on families • Review of cellular division mitosis and meiosis. • Characteristics and structure of genes • Chromosomes — sex determination
• Chromosomal aberrations Patterns of inheritance Mendalian theory of inheritance Multiple allots and blood groups Sex linked inheritance. Mechanism of inheritance. Errors in transmission (Mutation)

Unit-2 Maternal, prenatal and genetic influences on development of defects and diseases

4 Hours

• Conditions affecting the mother: genetic and infections • Consanguinity atopy • Prenatal nutrition and food allergies. • Maternal Age • Maternal drug

therapy • Prenatal testing and diagnosis • Effect of Radiation, drugs and chemicals • Infertility • Spontaneous abortion . Nueral Tube defects and the role of folic acid in lowering the risk.
Downs Syndrome (Trisomy 21)

Unit-3 Genetic testing in the neonates and children
3 Hours

• Screening for - Congenital abnormalities - Developmental delay- Dysmorphism

Unit-4 Genetic conditions of adolescents and adults
3

Hours

• Cancer genetics — Familial Cancer • Inborn errors of metabolism • Blood group alleles and haematological disorder • Genetic haemochromatosis • Huntington's disease • Mental illness

Unit-5 Services related to Genetics

6 Hours

Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling
Legal and Ethical issues Role of nurse

Suggested Reading

Text Book (s)

1. Swaminathan K – Pathology for Nurses, 2009, Jaypee Brothers Medical Publishers
2. Sharma Suresh K– Textbook of Pharmacology, Pathology and Genetics for Nurses (2 Volumes), 2016, Jaypee Brothers Medical Publishers.
3. Tara Shanbhag Veena Nayak Smita Shenoy – Pharmacology for Nurses, 2011, Elsevier.
4. Sharma Suresh K– Textbook of Pharmacology, Pathology and Genetics for

4. Stanley L Robbins– Robbins and Cotran Pathologic Basis of Disease, 2005, Elsevier/Saunders
5. Harsh Mohan – Textbook of Pathology, 2015, Jaypee Brothers Medical Publishers
6. K.D Tripathi– **Essentials Of Medical pharmacology** , 2008, Jaypee Brothers Medical Publishers.
7. Karen Whalen – Lippincott Illustrated Reviews: Pharmacology 6th edition, 2018, Jaypee Brothers Medical Publishers.
8. Stanley L Robbins– Robbins and Cotran Pathologic Basis of Disease, 2005, Elsevier/Saunders
9. Harsh Mohan – Textbook of Pathology, 2015, Jaypee Brothers Medical Publishers

Nurses (2 Volumes), 2016, Jaypee Brothers Medical Publishers.

5. Sharma Suresh K – Human Genetics in Nursing, 2010, Jaypee Brothers Medical Publishers.
6. Sharma Suresh K– Textbook of Pharmacology, Pathology and Genetics for Nurses (2 Volumes), 2016, Jaypee Brothers Medical Publishers.

Reference Book (s)

| | |
|---------------------------|--|
| Name of The Course | Medical Surgical Nursing-1 |
| Course Code | MSN210 |
| Prerequisite | KNOWLEDGE of anatomy, physiology and microbiology |
| Co-requisite | Anatomy physiology lab with models, charts, log book, Group projects, Video film, Anatomy & Physiology Atlas |
| Anti-requisite | NA |

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| | 7 | 0 | 0 | 7 |

Course Objectives

The purpose of this course is to acquire knowledge and dev patients with medical and surgical disorders in varieties of h

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|--|-----------|
| Unit-1 Introduction hours Introduction to medical surgical nursing | 15 |
| Introduction to medical surgical nursing- Evolution and trends of medical and surgical nursing • Review of Concepts of Health and illness Disease-concepts, causations, classification-International Classification Diseases (ICD- 10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness, Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process, Role of Nurse, patient and family in care of adult patient, Role and responsibilities of a nurse in medical surgical settings: Outpatient department. - In-patient unit, Intensive care unit. Home and Community settings Introduction to Medical Surgical asepsis Inflammation and Infection – Immunity Wound healing Care of | |

| | |
|---|-----------------|
| Surgical Patient -Pre-operative Intra operative -Post Operative | |
| Unit-2 | 15 hours |
| Common signs and symptoms and management Fluid and electrolyte imbalance. Vomiting, Dyspnea and cough, Incontinence respiratory obstruction, Fever□□Shock, Unconsciousness, Edema Syncope, Pain Age related problems-geriatric | |
| Unit-3 | 20 hours |
| Nursing management of patients (adults including elderly) with respiratory problems Review of anatomy and physiology of respiratory system, • Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with – Upper Respirator’ that infection Bronchitis Asthma Emphysema Empyema Atelectasis Chronic Obstructive Pulmonary Diseases (COPD) Bronchiectasis Pneumonia• Pulmonary tuberculosis • Lung abscess Pleural effusion Cysts and Tumours • Chest injuries Respiratory arrest and insufficiency Pulmonary embolism special therapies, alternativeTherapies Nursing procedures Drugs used in treatment of respiratory disorders | |
| Unit-4 | 30 hours |
| Nursing management of patient (adults including elderly) with disorders of digestive system Review of anatomy and physiology of digestive system • Nursing Assessment-History and Physical assessment | |

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|---|-----------------|
| Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management Disorders of Oral cavity- lips, gums, and teeth Oesophagus — inflammation? stricture, obstruction, bleeding and tumours Stomach and deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis Small intestinal disorders inflammation and infection, entritis, malabsorption, obstruction, tumour and perforation Large intestinal disorders-Colitis, inflammation and infection, obstruction and tumour and lump Hernias Appendix-inflammation, mass, abscess, rupture Anal & Rectum; hemorrhoids, fissures, Fistulas • Peritonitis/acute abdomen Pancreas; inflammation, cyst, abscess and tumours Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours Gall Bladder; inflammation, obstruction, stones and tumours Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system | |
| Unit-5 | 30 hours |
| Nursing management of patient (adults including elderly) with blood and cardio vascular problems Review of anatomy and physiology of blood and cardio vascular system, Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of-Vascular system Hypertension, Hypotension - Artherio sclerosis Raynaud’s disease Aneurism and Peripheral vascular disorders Heart Coronary artery diseases • Ischemic Heart Disease,Cornory atherosclerosis Angina pectoris Myocardial infarction Valvular disorders of the heart Congenital and acquired - Rheumatic Heart diseases Endocarditis, Pericarditis Myocarditis Cardio Myopathies Cardiac dysrhythmias, Heart Block Congestive cardiac failure Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade Cardiac emergencies and arrest Cardio Pulmonary Resuscitation | |

(CPR) • Blood Anaemias Polycythemia Bleeding disorders; clotting factor defects and platelets defects
Thalassemia Leukaemias Leukopenias and agranulocytosis Lymphomas Myelomas Special therapies Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions; records for blood transfusion. Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion Role of a nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders

Unit-6
hours

10

Nursing management of patient (adults including elderly) with genito-urinary problems
Review of anatomy and physiology of genito-urinary system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- Nephritis Nephrotic syndrome • Nephrosis Renal calculus • Tumours Acute renal failure Chronic renal failure End stage renal disease Dialysis, renal transplant Congenital disorders, urinary infections Benign prostate hypertrophy. • Disorders of ureter, urinary bladder and urethra inflammation, infection, stricture, obstruction, tumour, prostate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genitourinary disorders

Unit-7

5 hours

Nursing Management of disorders of male(adults including elderly) reproductive system
Review of anatomy and physiology of male reproductive system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of male reproductive system Congenital malformations; Hypospadias Aplospadias, Epispadias
• Infections Testis and adjacent structures Penis Prostate: inflammation, infection, hypertrophy, tumour Sexual Dysfunction Infertility Contraception Breast; gynecomastia, tumour • Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system.

Unit-8

10 hours

Nursing management of patient(adults including elderly) with disorders of endocrine system
Review of anatomy and physiology of endocrine system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- Disorders of Thyroid and Parathyroid Diabetes mellitus Diabetes insipidus Adrenal tumour Pituitary disorders. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of endocrine system.

Unit-9

10 hours

Nursing management of patient (adults including elderly) with disorders of Integumentary system
Review of anatomy and physiology of Skin and its appendages Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical

manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages –Lesions and abrasions Infection and infestations; Dermatitis Dermatoses; infect mis and Non infectious “inflammatory dermatoses”Acne VulgarisAllergies and Eczema • Psoriasis Malignant melanoma • Alopecia Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system.

Unit-10
hours

15

Nursing management of patient (adults including elderly) with musculoskeletal problems
Review of anatomy and physiology of musculoskeletal system, Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of - Disorders of:Muscles, Ligaments and Joints - inflammation, infection, trauma Bones-inflammation, infection, dislocation, fracture, tumour and trauma • Osteomalacia and osteoporosis Arthritis Congenital deformities Spinal column- defects and deformities, Tumor, Prolapsed inter vertebral disc, pott’s spine Paget’s disease Amputation Prosthesis Transplant & replacement surgeries Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of musculoskeletal system.

Unit-11
hours

10

Nursing management of patient (adults including elderly) with Immunological problems
Review of Immune system, Nursing Assessment- History and Physical assessment Etiology,

Pathophysiology, clinical manifestations, diagnosis. treatment modalities and medical, surgical, dietetics & nursing management of- Immunodeficiency disorder. • Primary immunodeficiency. Phagocytic dysfunction B-cell and T-cell deficiencies, Secondary immunodeficiencies Acquired immunodeficiency syndrome (AIDS) Incidence of HIV & AIDS Epidemiology Transmission-Prevention of Transmission Standard Safety precautions • Role of Nurse; Counseling • Health education and home care consideration. National AIDS Control Program - NACO, various national and international agencies Infection control program • Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immune logical system.

Unit-12
hours

20

Nursing management of patient (adults including elderly) with Communicable Diseases
• Overview of infectious disease, the infectious process • Nursing Assessment-History and Physical assessment
• Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases Tuberculosis diarrhoeal diseases hepatitis A - E herpeschickenpox • smallpox, typhoid, meningitis, gas gangrene • leprosy. Dengue • Plague • Malaria Diptheria • Pertussis Poliomyelitis • Measles Mump Influenza • Tetanus Yellow fever • Filarias HIV, AIDS Reproductive Tract Infections • Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospital Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases

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|--|-----------|
| Unit-13 hours | 25 |
| <p>Peri operative nursing</p> <ul style="list-style-type: none"> • Organization and Physical set up of the Operation Theatre (OT):Classifications - O.T. DESIGN - Staffing - Members of the OT team.Duties and responsibilities of nurse in O.T.Principles of Health and operating room attire. • Instruments, Sutures and suture materials • Equipments O.T. tables and sets for common surgical procedures • Positions and draping for common surgical procedures • Scrubbing procedures • Gowning and gloving Preparation of O.T. Sets • Monitoring the patient during surgical procedures Maintenance of therapeutic environment in O.T.Standard Safety measures Infection control; fumigation, disinfection and sterilization Biomedical waste management • Prevention of accidents and hazards in O.T Anaesthesia • Types • Methods of administration Effects and Stages Equipments • Drugs Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects | |

School of Nursing

1. Lewis – Medical Surgical Nursing,2008,Elsevier
2. Webber – Health assessment In Nursing ,2010,WK
3. Nettina – Lippincott manual of Nursing Practice,2009,LWW
4. Carpenito – Nursing Care Plans & Documentation Carlpenito – Nursing Diagnosis ,2009,LWW

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|---------------------------|---|----------|----------|----------|
| Name of The Course | Community Health Nursing - I | | | |
| Course Code | CHN211 | | | |
| Prerequisite | 10+2 PCB 55%, | | | |
| Co-requisite | Community Health Nursing lab with charts, posters, log book | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 3 | 0 | 4 | 5 |

Course Objectives

This course is designed for students to appreciate the principles of prevention, promotion and maintenance of health for individuals, families and community that will help to identify communicable and non-communicable diseases and participate in family welfare programs at different community settings.

Suggested Reading

Text Book (s)

1. Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,
2. LWW Black – Medical Surgical Nursing,2009,Elsevier

Reference Book (s)

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| <p>UNIT-1 INTRODUCTION 2HRS</p> <p>Community Health Nursing : Definition, concept and Dimensions of health, Promotion of health, Indicators of health, Maintenance of health</p> |
| <p>UNIT- 2 DETERMINANTS OF HEALTH 20HRS</p> <p>Eugenics, Environment, Acts regulating environment, Bacterial, Viral Agents, Arthropods and rodents, Food Hygiene and Acts regulating Food Hygiene, Drug cosmetic Act, Marriage system- custom, Taboos, Life Style, Dietary pattern, Financial Management</p> |
| <p>UNIT-3 EPIDEMIOLOGY 10HRS</p> <p>Definition<concept, aims, scope, uses and terminology used in epidemiology, Dynamics of disease transmission, Epidemiological triad, Morbidity and mortality measurements, Levels of prevention, Methods of Epidemiology</p> |
| <p>UNIT-4 EPIDEMIOLOGY AND NURSING MANAGEMENT OF COMMUNICABLE DISEASES</p> |

25HRS

Respiratory infections- Chicken pox, Measles, Rubella, Influenza, Mumps, Intestinal infections, Whooping cough, Tuberculosis, ARI with pneumonia, Meningococcal meningitis, Cholera, Poliomyelitis, Diarrheal Diseases, Typhoid fever, Food poisoning, Zoonoses, Arthropod infections, Dengue Malaria, Filariasis, Anthrax, Typhus fever, Scrub typhus, Murine typhus, Hookworm infection, Leishmaniasis, Ascariasis, Trachoma, Leprosy, Rabies, STD & RTI, HIV/AIDS

UNIT-5 EPIDEMIOLOGY AND NURSING MANAGEMENT OF NON COMMUNICABLE DISEASES

10HRS

Malnutrition, Nutritional deficiencies, Anaemia, Hypertension, Diabetes Mellitus, Stroke, Rheumatic heart disease, Coronary heart disease, Blindness, accidents, Mental illness, obesity, Iodine deficiency, Epilepsy, Fluorosis, Cancer

UNIT-6 DEMOGRAPHY

6HRS

Definition, Concepts, Scope, Methods of Collection, Analysis and Interpretation of demographic data, Demographic rates and ratios.

UNIT-7 POPULATION AND ITS CONTROL

17HRS

Population Explosion and its impact on social, economic development of individual, society and country, population control: overall development: women

empowerment, social, economic and educational development, Limiting family size : Promotion of small family norm, Methods : spacing Natural, biological, chemical, mechanical methods, etc , Terminal: Surgical methods.

School of Nursing

Suggested Reading

Text Book (s)1. Park - A Textbook of Social and Preventive Medicine, 2015, Banarsidas Bhanot
 2. Simrat - Community Health Nursing – I for B.Sc Nursing students, 2013, Lotus

Reference Book (s) 1. Allender – Community Health Nursing,2009,LWW
 2. Stanhope – Community Health Nursing,2008,Elsevier
 3. Basvanthappa B T- Essentials of Community Health Nursing,2011 , Jaypee
 4. Gulani - Community Health Nursing(principles and practice), 2012, Kumar

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|---------------------------|---|
| Name of The Course | Communication & Educational Technology |
| Course Code | CET212 |
| Prerequisite | Knowledge regarding Importance and aspects of communication |
| Co-requisite | Demonstration, Group projects, Video film, charts |
| Anti-requisite | NA |
| | L T P C |

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Course Objectives

This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community health and educational settings

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|--|-------------|
| Unit-1 REVIEW OF COMMUNICATION PROCESS | 6HRS |
| Process; elements And channel ,Facilitators ,Barriers and methods of overcoming Techniques | |
| Unit-2 INTERPERSONAL RELATIONS | 6HRS |
| Purpose & types ,Phases ,Barriers & methods of overcoming, Johari Window | |

| | | |
|---|--|--|
| Unit-3 HUMAN RELATIONS 6HRS | Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, | |
| Understanding self ,Social behavior, motivation, social attitudes, Individual and groups, Groups & individual, Human relations in context of nursing, Group dynamics, Team work | computer assisted learning, micro teaching problem based learning, Self-instructional module and simulation etc.Clinical teaching methods: Case method, nursing round & reports, bedside clinic, conference (individual & group) process recording. | |
| UNIT-4 GUIDANCE & COUNSELING 12+5 HRS | UNIT-7 EDUCATIONAL MEDIA 11+8HRS | |
| Definition, Purpose, scope and need, Basic principles, Organization of counseling services, Types of counseling approaches ,Role and preparation of counselor, Issues for counseling in nursing: students and practitioners, Counseling process — steps & techniques, tools of counselor ,Managing disciplinary problems, Management of crisis & referral | Purposes and types of A.V. Aids, Principles & Sources etc., Graphic aids: chalk board, chart, graphs, posters, flash cards, flannel graph, bulletin, cartoon, 3 Dimensional Aids: Objects, Specimens, Models, Puppets, Printed Aids: Pamphlets & leaflets. Projected Aids: Slides, OHP, Films, TV, VCR/ VCD, Camera, Microscope, LCD. Audio Aids: Tape recorder, public address system. Computer. | |
| UNIT-5 PRINCIPLES OF EDUCATION & TEACHING LEARNING PROCESS 6HRS | UNIT-8 ASSESSMENT 6+7HRS | |
| Education: meaning, philosophy, aims, functions & principles, Nature and Characteristics of learn, Principles and maxims of teaching, Formulating objectives; general and specific, Lesson planning, Classroom management. | Purpose and scope of evaluation and assessment, Criteria for selection of assessment, techniques and methods, Assessment of knowledge: Essay type questions, Short answer questions (SAQ). Multiple Choice Questions (MCQ). Assessment of skills: Observation Check List, Practical Exam, Viva, Objective Structured clinical examination (OSCE) | |
| UNIT-6 METHODS OF TEACHING 11+10HRS | Assessment of attitude: Attitude scales. | |
| | UNIT-9 INFORMATION, EDUCATION & COMMUNICATION FOR HEALTH (IEC) 6HRS | |

| | | | | | | |
|--|-----------------------|----|----------|----------|----------|----------|
| Health behavior & health education, Planning for health education, Health education with individuals, groups & communities, Communicating health messages, Methods & media for communicating health messages, Using mass media | Anti-requisite | na | | | | |
| | | | L | T | P | C |
| | | | 0 | 0 | 24 | 12 |

School of Nursing

Course Objectives

This course is designed to help the students to develop and understanding of the philosophy, objectives, theories and process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques if nursing and practice them in clinical settings.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

| | |
|--|------------------|
| Unit-1 Introduction | 180 hours |
| General Medical Ward (Respiratory. Endocrine, Renal,) | |
| <p>Assessment of the Patient Taking history Perform general and specific physical examination.</p> <p>Identify alterations and deviations• Practice medical surgical asepsis- Standard safety measures Administer medications Oral, IV, IM, Subcutaneous• IV therapy IV canulation Maintenance and monitoring Oxygen therapy by different methods• Nebulization Chest physio therapy Naso gastric feeding Assist in common</p> | |

Suggested Reading

Text Book (s)

1. Sankar Narayanan – Education & Communication Technology, 2007, Brainfill
2. Young – Teaching Nursing, 2008, LWW
3. K.P Neeraja – Nursing Education, 2008, Jaypee

Reference Book (s)

1. Bosek – Ethical Component of Nursing Education , LWW
2. Mariner – Teaching Nursing ,2008,Elsevier
3. Smith - The Legal, Professional and Ethical Dimensions of Higher Education,Kluwer
4. Keating – Curriculum Development Nursing ,WoltersKluwer.

| | |
|---------------------------|---|
| Name of The Course | Medical Surgical Nursing-1 Practical |
| Course Code | MSP202 |
| Prerequisite | Basic Nursing procedures |
| Co-requisite | Med Surg lab with models, charts, log book, procedure manual, Practice sessions, Video film, Group projects |

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|---|------------------|
| diagnostic Perform Assist in therapeutic procedures Blood and component therapy Throat Suctioning Collect specimens for common investigations. Maintain elimination Caricaturisation Bowel wash Enema Urinary drainage Maintain Intake, output and documentation Counsel and teach related to specific disease conditions | |
| Unit-2 | 180 hours |
| General Surgical Ward (GI, Urinary, CTVS) • Practice medical surgical asepsis- Standard safety measures• Pre operative preparation of patients Post operative care — Receiving Pt, assessment, monitoring, care,Care of wounds and drainage Suture removal • Ambulation and exercise Naso gastric aspiration Care of chest drainage Ostomy care Gastrostomy Colostomy Enterostomy Blood and component therapy Practice universal precautions | |
| Unit-3 | 150 hours |
| Cardiology ward Physical examination of the cardio vascular system Recording and interpreting ECG Monitoring of patients Preparation and assisting in non-invasive and invasive diagnostic procedures. Administer cardiac drugs Cardio pulmonary Resuscitation | |
| Unit-4 | 30 hours |
| Skin & Communicable disease Ward Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis - Standard safety measures Use of personal protective equipment(PPE) Give Medicated baths | |

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|---|-----------------|
| Counseling HIV positive patients Teach prevention of infectious disease | |
| Unit-5 | 80 hours |
| Orthopaedic Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck's extension traction. Assist in application and removal of prosthesis Physiotherapy- Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families | |
| Unit-6 | 70 hours |
| Operation theatre Scrubbing, gowning, gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations. Handling specimens Disposal of waste as per the guidelines | |
| Unit-7 | 5 hours |
| ICU,CCU, CARDIAC OT. Assist in arterial puncture for blood gas analysis.Perform ECG and interpret accordingly.Conduct and analysis pulse oximetry.Care with artificial airway.Assist in | |

endotracheal intubation. Setting up ventilator, Giving care in ventilator.

School of Nursing

Suggested Reading

Text Book (s)

- 3. Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,
- 4. LWW Black – Medical Surgical Nursing, 2009, Elsevier
- 5. Jacob – Clinical Nursing Skills & Procedures, 2008, Jaypee
- 6. LWW – Lippincott’s Nursing Procedure, 2008, LWW

Reference Book (s)

- 5. Lewis – Medical Surgical Nursing, 2008, Elsevier
- 6. Webber – Health assessment In Nursing, 2010, WK
- 7. Netina – Lippincott manual of Nursing Practice, 2009, LWW
- 8. Carpenito – Nursing Care Plans & Documentation Carpenito – Nursing Diagnosis, 2009, LWW
- 9. Taylor – Fundamentals of Nursing, 2007, LWW
- 10. Kozier – Fundamentals of Nursing, 2007, Pearson
- 11. Potter – Basic Nursing, 2008, Elsevier
- 12. Lynn – Taylor’s Clinical Nursing Skills, 2008, LWW

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|---------------------------|---------------------------------|
| Name of The Course | Medical and surgical nursing ii |
|---------------------------|---------------------------------|

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|-----------------------|--|----------|----------|----------|
| Course Code | MSN313 | | | |
| Prerequisite | Knowledge regarding MSN-I | | | |
| Co-requisite | Med Surg lab with models, charts, log book, procedure manual | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 4 | 0 | 0 | 4 |

Course Objectives

- 1. To enable students gain knowledge etiology, clinical manifestations for managing patient with eye and ENT disorders.
- 2. To enable students to understand neurological disorders and their management.
- 3. To enable students to understand the concept of female reproductive system & concepts of reproductive health and family welfare programme and manage patients with disorders of reproductive system.
- 4. To enable students to provide nursing care of patients with Burns, reconstructive surgeries and various types of malignancies & various geriatric conditions.
- 5. To enable students to help patients in emergency, critical care units and disaster situations.
- 6. To enable students to apply knowledge of medical surgical using in providing patient care in the hospital and community settings with all the conditions.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| <p>Unit-1 Nursing management of Patient with disorders of Ear Nose and Throat 15 HOURS</p> |
| <p>Review of anatomy and physiology of the Ear Nose and Throat, Nursing Assessment-History and Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders: External ear: deformities otalgia, foreign bodies, and tumors Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours, Inner ear- Meniere’s Disease, labyrinthitis, ototoxicity, tumors, Upper airway infections — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis Upper respiratory airway —epistaxis, Nasal obstruction, laryngeal, obstruction, cancer of the larynx-Cancer of the oral cavity, Speech defects and speech therapy, Deafness -Prevention, control and rehabilitation Hearing Aids, implanted hearing devices Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness.</p> |
| <p>Unit-2 Nursing management of patient with eye disorders</p> |

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| <p>15HOURS</p> |
| <p>Review of anatomy and physiology of the eye-Nursing Assessment-History and Physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities, medical & surgical management of eye disorders, Refractive errors, Eyelids-infection, tumours and deformities, Conjunctiva- inflammation and infection, bleeding, Cornea- inflammation and infection, Lens-Cataracts, Glaucoma, Disorder of the urinary tract, Ocular tumours, Disorders of posterior chamber and retina: Retinal and vitreous problems, Retinal detachment, Ocular emergencies and their prevention Blindness National blindness control. Program Eye Banking, Eye prostheses and Rehabilitation Role of a nurse Communication with visually impaired Patient, Eye camps Special therapies Nursing procedures Drugs used in treatment of disorders of eye.</p> |
| <p>Unit-3 Nursing management of patient with neurological disorder 16 HOURS</p> |
| <p>Review of anatomy and physiology of the neurological system: Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders, Congenital malformations, Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia, Quadraplegia,Spinal cord compression herniation of intervertebral disc,Tumors of the brain & spinal cord Intra cranial and cerebral aneurysms Infections:Meningitis, Encephalitis, Brain abscess, neurocysticercosis,Movement disorders:ChoreaSeizures, Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell’s palsy, trigeminal</p> |

neuralgia, Peripheral Neuropathies; Guillain Barr'e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases Delirium, Dementia Alzheimer's disease - Parkinson's disease, Management of unconscious, patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit, Rehabilitation of patients with neurological deficit, Role of nurse in long stay facility (institutions) and at home Special therapies Nursing procedures Drugs used in treatment of neurological disorders.

**Unit-4 Nursing management of patients with disorders of female reproductive system
16 HOURS**

Review of anatomy and physiology of the female reproductive system Nursing Assessment-History and Physical assessment Breast Self Examination Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management disorder of female reproductive system Congenital abnormalities of female reproductive system, Sexuality and Reproductive Health Sexual Health Assessment Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease-Ovarian and fallopian tube disorders; infections, cysts, tumours Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele Vaginal disorders; Infections and Discharges, Fistulas, Vulvar disorders; Infections, cysts, tumours Diseases of breasts; Deformities, Infections, Cysts and Tumours, Menopause and Hormonal, Replacement Therapy • Infertility, Contraception; Types Methods, Risk and effectiveness Spacing Methods, Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, Terminal methods, Sterilization, Emergency Contraception methods • Abortion - Natural, Medical and surgical abortion - MTP Act, Toxic Shock Syndrome, Injuries and Trauma; Sexual violences, Special therapies

Nursing procedures Drugs used in treatment of gynaecological disorders, National family welfare programme etc.

**Unit-5 Nursing management of patients with Burns, reconstructive and cosmetic surgery
10 HOURS**

Review of anatomy and physiology of the skin and connective tissues and various deformities, Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss, Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Re-constructive and Cosmetic surgery; Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes Role of Nurse Legal aspects Rehabilitation Special therapies Psycho social aspects of nursing aspects Nursing procedures, Drugs used in treatment of Burns reconstructive and cosmetic surgery

**UNIT-6 Nursing management of patients with oncological conditions
10 HOURS**

Structure & characteristics of normal & cancer cells Nursing Assessment-History and Physical assessment Prevention, Screening, Early detection, Warning signs of cancer • Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions, Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma,

Brain, Renal, Bladder, Prostate etc Oncological emergencies, Modalities of treatment
 Immunotherapy, Chemotherapy Radiotherapy, Surgical Interventions Stem cell and Bone marrow transplants
 Gene therapy Other forms of treatment, Psychosocial aspects of cancer. • Rehabilitation, Palliative care
 Symptom and Pain Management, Nutritional support, Home care, Hospice care Stoma Therapy, Special therapies Psycho social aspects • Nursing procedures

UNIT-7 Nursing management of patient in EMERGENCY & DISASTER situations Disaster Nursing 10HOURS

Concepts and principles of Disaster Nursing: Causes and Types of Disaster: Natural and Man-made Earthquakes, Floods, Epidemics, Cyclones, Fire, Explosion, Accidents Violence, Terrorism; bio-chemical, War Policies related to emergency/disaster management; International, national, state, institutional Disaster preparedness: Team, Guidelines, protocols, Equipments, Resources Coordination and involvement of; Community, various govt. departments, non-Government. organizations and International agencies Role of nurse: working Legal Aspects of Disaster Nursing Impact on Health and after effects; Post Traumatic Stress Disorder Rehabilitation; physical, psychosocial, Financial, Relocation, Emergency Nursing Concept, priorities, principles and Scope of emergency nursing Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse Coordination and involvement of different departments and facilities Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency Principles of emergency management Common Emergencies;

Respiratory Emergencies Cardiac Emergencies Shock and Hemorrhage Pain Poly-Trauma, road accidents, crush injuries, wound Bites Poisoning; Food, Gas, Drugs & chemical poisoning Seizures Thermal Emergencies; Heat stroke & Cold injuries Pediatric Emergencies Psychiatric Emergencies Obstetrical Emergencies Violence, Abuse, Sexual assault Cardio Pulmonary Resuscitation Crisis Intervention, Role of the nurse; Communication and Inter Personal Relations, Medico-Legal Aspects,

UNIT-8 Nursing care of the elderly 10HOURS

Nursing Assessment-History and Physical assessment Aging; Demography; Myths and realities • Concepts and theories of aging Cognitive Aspects of Aging Normal biological aging Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress & coping in older adults Common Health Problems & Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other Sensory organs Psychosocial and Sexual Abuse of elderly, Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual, Role of nurse for caregivers of elderly Role of family and formal and non-formal caregivers Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care.

UNIT-9 Nursing management of patient in critical care units 10 HOURS

Nursing Assessment-History and Physical assessment
 Classification, Principles of critical care nursing •
 Organization; Physical setup, Policies, staffing norms,
 Protocols, equipment and supplies • Special equipments;
 ventilators, cardiac monitors, defibrillator, Resuscitation
 equipments, Infection Control Protocols, Nursing
 management of critically ill patient; Monitoring of
 critically ill patient CPR-Advance Cardiac Life support
 Treatments and procedures. Transitional care, Ethical
 and Legal Aspects Communication with patient and
 family Intensive care records Crisis Intervention Death
 and Dying-coping with Drugs used in critical care unit

**UNIT-10 Nursing management of patients adults
 including elderly with Occupational and Industrial
 Disorders 8
 HOURS**

Nursing Assessment-History and Physical assessment
 Etiology, Pathophysiology, clinical manifestations,
 diagnosis, diagnosis, treatment modalities and medical
 & surgical nursing management of occupational and
 industrial health disorders Role of nurse Special
 therapies, alternative therapies Nursing procedures
 Drugs used in treatment of Occupational and Industrial
 disorders

School of Nursing

Suggested Reading

Text Book (s)

1. Smeltzer – Brunner & Suddharth Textbook of
 Medical Surgical Nursing, 2010,
2. LWW Black – Medical Surgical
 Nursing, 2009, Elsevier

Reference Book (s)

1. Lewis – Medical Surgical Nursing, 2008, Elsevier
 2. Webber – Health assessment In Nursing , 2010, WK
 3. Nettina – Lippincott manual of Nursing
 Practice, 2009, LWW
- Carpenito – Nursing Care Plans & Documentation
 Carlpenito – Nursing Diagnosis , 2009, LWW

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|---------------------------|---|----------|----------|----------|
| Name of The Course | Child health Nursing | | | |
| Course Code | CHN314 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | Maternal & Child Health Nursing lab with charts, posters, log book | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 3 | 0 | 0 | 3 |

Course Objectives

1. To enable students to learn the modern concept of child care, its principles national policies, programs.
2. To enable students to identify the needs of children at different ages, monitor growth & development of children at different ages and appreciate role of nurse.
3. To apply knowledge in providing care to normal and high risk neonates, perform neonatal resuscitation and manage common neonatal problems.

- To enable students to acquire knowledge of nursing management of common childhood disorders and behavioural and social problems in children.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

| | |
|--|---------------|
| Unit-1 Introduction Modern concepts of childcare | 15 |
| hours | |
| Internationally accepted rights of the Child, National policy and legislation in relation to child health and welfare, National programmes related to child health and welfare, Agencies related to welfare services to the children, 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 Impact of hospitalization on the child and family, Grief and bereavement, The role of a Child health nurse in caring for a hospitalized child, Principles of pre and post operative, care of infants and children, Child health nursing procedures. | |
| Unit-2 The healthy child | 20 Hrs |

Principles of growth and development, Factors affecting growth & development, 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, exclusive breast feeding supplementary/artificial feeding and weaning, baby friendly hospital concept, accidents: causes and prevention, value of play and selection of play material, preventive immunization programme and cold chain, preventive pediatrics, care of under-five & under five clinics/well baby clinics

Unit-3 Nursing care of a neonate 15 HRS

Nursing care of a normal new-born/ Essential new-born care, Neonatal resuscitation, nursing management of low birth weight baby, kangaroo mother care, Nursing management of a low birth baby, nursing management of common neonatal disorders, organization of neonatal unit, Identification & nursing management of common congenital malformations.

Unit-4 Integrated management of neonatal and childhood illnesses (IMNCI) 10 HRS

Integrated management of neonatal and childhood illnesses (IMNCI)

Unit-5 Nursing management in common childhood diseases

20 hrs

Nutritional deficiency disorders, respiratory disorders and infections, gastrointestinal infections, infestations and congenital defects and rheumatic fever, rheumatic heart disease, genitor- urinary disorders; acute glomerulonephritis, nephrotic syndrome, wilms'

tumour, infection & congenital disorders, neurological infections & disorders; convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida, haematological disorders, anaemias, thalassemia, ITP, leukemia, haemophilia, endocrine disorders, juvenile diabetes mellitus, orthopedic disorders: club feet, hip dislocation and fracture, disorders of skin, eye, and ears, common communicable diseases in children, their identification, nursing management in hospital, home and prevention,
 Child health emergencies: poisoning, foreign bodies, haemorrhage, burns and drowning, nursing care of infant and children with HIV/AIDS

Unit 6- Management of behavioural & social problems in children
 10 hrs

Management of common behavioural disorders, management of common psychiatric problems, management of challenged children: mentally, physically & socially challenged, welfare services for challenged children in India, child guidance clinics

School of Nursing

Suggested Reading

Text Book (s)

1. Parul Dutta – Pediatric Nursing, 2014, Jaypee
1. Marlow – Textbook of Pediatric Nursing, 1996, Elsevier.

Reference Book (s)

1. Kyle – Essentials of Pediatric Nursing, 2009, LWW.
1. Rimple Sharma – Essentials of Pediatric Nursing, 2013, Jaypee.
1. Hockenberry – Essentials of Pediatric Nursing, 2008, Elsevier.
2. Potts – Pediatric Nursing ,2007, Thomson

Learning.

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|---------------------------|---|----------|----------|----------|
| Name of The Course | Mental health Nursing | | | |
| Course Code | MHN315 | | | |
| Prerequisite | Knowledge regarding psychology | | | |
| Co-requisite | Mental Health(Psychiatric) Nursing with, Power point, charts, log book, | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 3 | 0 | 0 | 3 |

Course Objectives

1. To enable students to acquire knowledge of concepts, Historical trends dimensions, Principles and determinates of Mental Health Nursing
1. To enable student to define various terms and classification used in Mental Health Nursing
2. To explain Student about the and psycho dynamics of maladaptive behaviour
3. To make Student Learn about nature, purpose and process of assessment of mental health status Examination
4. To enable student to learn and define various therapeutic communication technique

5. To explain Student about treatment modalities and therapies used in mental disorders and role of the nurse
6. To enable Students to describe the etiology, psychopathology, clinical manifestations , diagnostic criteria and management of patients with Schizophrenia and other psychotic disorders
7. To enable student to learn describe the etiology, psycho- pathology, clinical manifestations , diagnostic criteria and management of mood disorder
8. To Enable student to describe the etiology, psycho- pathology, clinical manifestations , diagnostic criteria and management of patients with neurotic, stress related and somatization disorders
9. To make student acquire learning about in details of Substance abuse, Eating, Sexual and personality disorder
10. To enable student to acquire brief knowledge of Childhood and Adolescent disorders including mental deficiency
11. To make student aware about identification of psychiatric emergencies, Legal aspects(Various laws) and Community mental health nursing

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|--|---------------|
| Unit-1 Introduction | 5hours |
| <ul style="list-style-type: none"> ● Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices. • Prevalence and incidence of mental health problems and disorders. ● Mental Health Act ● National Mental health policy vis a vis National Health Policy • National Mental Health programme ● Mental health team ● Nature and scope of mental health nursing ● Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice | |
| Concepts of normal and abnormal behaviour | |
| Unit 2- Principles and Concepts of Mental Health Nursing | |
| 5hours | |
| <ul style="list-style-type: none"> ● Definition: mental health nursing and terminology used Classification of mental disorders: ● ICD Review of personality development, defense mechanisms ● Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) ● Etiology: bio- psycho-social factors Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission Principles of Mental health Nursing Standards of Mental health Nursing practice ● Conceptual models and the role of nurse: • Existential Model ● Psycho-analytical models | |
| Behavioural model Interpersonal model | |

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|--|-----------|--|--|
| Unit-3 Assessment of mental health status HRS | 8 | <ul style="list-style-type: none"> Occupational therapy Physical Therapy: electro convulsive therapy Geriatric considerations Role of nurse in above therapies | |
| <ul style="list-style-type: none"> History taking Mental status examination Mini mental status examination Neurological examination: Review Investigations: Related Blood chemistry, EEG, CT & MRI • Psychological tests Role and responsibilities of nurse | | Unit 6- Nursing management of patient with Schizophrenia, and other psychotic disorders 05 hrs Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders Geriatric considerations Follow-up and home care and Rehabilitation | |
| Unit-4 Therapeutic communication and nurse-patient relationship HRS | 06 | | |
| Therapeutic communication: Types, techniques, characteristics Types of relationship, Ethics and responsibilities Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its | | Unit 7- Nursing management of patient with mood disorders 05 hrs | |
| Unit-5 Treatment modalities and therapies used in mental disorders hrs | 14 | <ul style="list-style-type: none"> Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc Etiology, psycho-pathology, clinical manifestations, diagnosis, | |
| <ul style="list-style-type: none"> Psycho Pharmacology Psychological therapies: Therapeutic community, psycho therapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback Alternative systems of medicine | | Nursing Assessment-History, Physical and mental assessment Unit 8- Nursing management of patient with neurotic, stress related and somatization disorders 8 hrs | |

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|---|---|--|
| <ul style="list-style-type: none"> Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder Etiology, psycho-pathology, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment <p>Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders Geriatric considerations Follow-up and home care and rehabilitation</p> | <p>Follow-up and home care and rehabilitation</p> | |
| <p>Unit 9- Nursing management of patient with Substance use disorders 5 hrs</p> | <p>Unit 11- Nursing management of childhood and adolescent disorders including mental deficiency 06 hrs</p> | |
| <p>Commonly, used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, Nursing Assessment-History, Physical, mental assessment and drug assay. Treatment (detoxification, anti abuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders Geriatric considerations Follow-up and home care and rehabilitation</p> | <p>Classification Etiology, psychopathology, characteristics, diagnosis Nursing Assessment-History, Physical, mental and IQ assessment Treatment modalities and nursing management of childhood disorders including mental deficiency Follow-up and home care and rehabilitation</p> | |
| <p>Unit 10- Nursing management of patient with Personality, Sexual and Eating disorders 04 hrs</p> | <p>Unit 12- Nursing management of organic brain disorders 05 hrs</p> | |
| <ul style="list-style-type: none"> Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis, • Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders Geriatric considerations | <p>Classification: ICD?</p> <ul style="list-style-type: none"> Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers) Nursing Assessment-History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations <p>Follow-up and home care and</p> | |
| | <p>Unit 13- Psychiatric emergencies and crisis intervention 06 hrs</p> | |
| | <p>Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism</p> | |

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|--|---|---------------------------|-----------------------|----------|--|--|--------------------|--------|--|--|--|---------------------|-------------------|--|--|--|---------------------|----------------------------|--|--|--|-----------------------|----|--|--|--|--|----------|----------|----------|----------|--|---|---|---|---|
| <p>Grief: Theories of grieving process, principles, techniques of counseling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations Role and responsibilities of nurse</p> | <p>Suggested Reading Text Book (s)</p> <ol style="list-style-type: none"> 1. Townsend – Psychiatric Mental Health Nursing,2007.F.A.Davis 2. Stuart – Principles & Practice of Psychiatric Nursing,2008,Elsevier | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Unit 14- Legal issues in Mental Health Nursing 04hrs</p> | <p>Reference Book (s)</p> <ol style="list-style-type: none"> 1. Sreevani – Psychiatric Mental Health Nursing,2008,Jaypee 2. Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW 1. KP Neeraja, Mental Health Nursing,2006Potts 2. Kappor Bimla, Mental Health Nursing, 2006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian Lunacy Act.1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures <p>Role and responsibilities of nurse</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Unit 15- Community Mental Health Nursing 04 hrs</p> | <table border="1"> <tr> <td data-bbox="860 1159 1096 1268">Name of The Course</td> <td colspan="4" data-bbox="1096 1159 1563 1268">Communicative English</td> </tr> <tr> <td data-bbox="860 1268 1096 1386">Course Code</td> <td colspan="4" data-bbox="1096 1268 1563 1386">CEN316</td> </tr> <tr> <td data-bbox="860 1386 1096 1482">Prerequisite</td> <td colspan="4" data-bbox="1096 1386 1563 1482">10+2 with PCB 55%</td> </tr> <tr> <td data-bbox="860 1482 1096 1579">Co-requisite</td> <td colspan="4" data-bbox="1096 1482 1563 1579">Communicative English book</td> </tr> <tr> <td data-bbox="860 1579 1096 1675">Anti-requisite</td> <td colspan="4" data-bbox="1096 1579 1563 1675">NA</td> </tr> <tr> <td data-bbox="860 1675 1331 1772"></td> <td data-bbox="1331 1675 1396 1772">L</td> <td data-bbox="1396 1675 1461 1772">T</td> <td data-bbox="1461 1675 1526 1772">P</td> <td data-bbox="1526 1675 1563 1772">C</td> </tr> <tr> <td data-bbox="860 1772 1331 1869"></td> <td data-bbox="1331 1772 1396 1869">2</td> <td data-bbox="1396 1772 1461 1869">0</td> <td data-bbox="1461 1772 1526 1869">0</td> <td data-bbox="1526 1772 1563 1869">2</td> </tr> </table> | Name of The Course | Communicative English | | | | Course Code | CEN316 | | | | Prerequisite | 10+2 with PCB 55% | | | | Co-requisite | Communicative English book | | | | Anti-requisite | NA | | | | | L | T | P | C | | 2 | 0 | 0 | 2 |
| Name of The Course | Communicative English | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course Code | CEN316 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prerequisite | 10+2 with PCB 55% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Co-requisite | Communicative English book | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anti-requisite | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L | T | P | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 0 | 0 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Development of Community Mental Health Services: National Mental Health Programme Institutionalization Versus Deinstitutionalization • Model of Preventive psychiatry: Levels of Prevention Mental Health Services available at the primary secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV /AIDS etc.</p> <p>School of Nursing</p> | <p>Methodology</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Evaluation Scheme

- The courses will be taught through face-to-face communication.
- The methodology will include, seminars, workshops, blackboard teaching and audio-visual aids where the focus will be to enhance the ability of the learner through LSRW skills, grammar and vocabulary.

The course aims at developing a wide range of skills:

- Language Development, which involves grammar and extensive vocabulary learning.
- Communication skills, which cover communication situations (within the framework of Breakthrough level).
- Listening, which includes comprehension of gist and detailed information

1. Basics of pronunciation: Consonant and Vowel sounds, Pronunciation of tricky and difficult words

2. Grammar – determiners, tense, aspect and time, prepositions, modals, connectives, voice, reported speech

3. Contextual vocabulary – Vocabulary for everyday use, Evaluative, Descriptive and action words, Word chunks, Formulaic expressions

4. Listening and speaking skills – Picture stories/Story grammar, Narration (direction and de, Dialogue,

language games (Use of audio-visual aids and realia such as newspapers, magazines etc.)

5. Common errors in English: Errors in everyday life, Errors in collocation, Errors in punctuation marks

Evaluation Scheme-

- Continuous Assessment through Assignment and Quiz
- End Term Assessment through Viva

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |
| | | |

| Name of The Course | Universal Human Values and Ethics | | | |
|--------------------|-----------------------------------|---|---|---|
| Course Code | LLL317 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 3 | 0 | 0 | 3 |

Objectives:

1. To help students distinguish between values and skills, and understand the need, basic guidelines, content and process of value education.
2. To help students initiate a process of dialog within themselves to know what they 'really want to be' in their life and profession
3. To help students understand the meaning of happiness and prosperity for a human being.
4. To facilitate the students to understand harmony at all the levels of human living, and live accordingly.
5. To facilitate the students in applying the understanding of harmony in existence in their profession and lead an ethical life

Expected Outcome:

On completion of this course, the students will be able to

1. Understand the significance of value inputs in a classroom and start applying them in their life and profession
2. Distinguish between values and skills, happiness and accumulation of physical facilities, the Self and the Body, Intention and Competence of an individual, etc.
3. Understand the value of harmonious relationship based on trust and respect in their life and profession
4. Understand the role of a human being in ensuring harmony in society and nature.
5. Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.

Module I- Course Introduction - Need, Basic Guidelines, Content and Process for Value Education

1. Understanding the need, basic guidelines, content and process for Value Education
2. Self Exploration-what is it? - its content and process; 'Natural Acceptance' and Experiential Validation- as the mechanism for self exploration

3. Continuous Happiness and Prosperity- A look at basic Human Aspirations
4. Right understanding, Relationship and Physical Facilities- the basic requirements for fulfillment of aspirations of every human being with their correct priority
5. Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario
6. Method to fulfill the above human aspirations: understanding and living in harmony at various levels

Module II- Understanding Harmony in the Human Being - Harmony in Myself

7. Understanding human being as a co-existence of the sentient 'I' and the material 'Body'
8. Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha
9. Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer)
10. Understanding the characteristics and activities of 'I' and harmony in 'I'
11. Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail

12. Programs to ensure Sanyam and Swasthya

Module III

Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship

13. Understanding harmony in the Family- the basic unit of human interaction
14. Understanding values in human-human relationship; meaning of *Nyaya* and program for its fulfillment to ensure *Ubhay-tripti*; Trust (*Vishwas*) and Respect (*Samman*) as the foundational values of relationship

15. Understanding the meaning of *Vishwas*; Difference between intention and competence
16. Understanding the meaning of *Samman*, Difference between respect and differentiation; the other salient values in relationship
17. Understanding the harmony in the society (society being an extension of family): *Samadhan, Samridhi, Abhay, Sah-astitva* as comprehensive Human Goals
18. Visualizing a universal harmonious order in society- Undivided Society (*AkhandSamaj*), Universal Order (*SarvabhaumVyawastha*) - from family to world family!

Module IV

Understanding Harmony in the Nature and Existence - Whole existence as Co-existence

19. Understanding the harmony in the Nature
20. Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature
21. Understanding Existence as Co-existence (*Sah-astitva*) of mutually interacting units in all-pervasive space
22. Holistic perception of harmony at all levels of existence

Module V

Implications of the above Holistic Understanding of Harmony on Professional Ethics

23. Natural acceptance of human values
24. Definitiveness of Ethical Human Conduct
25. Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order
26. Competence in Professional Ethics:
 - a) Ability to utilize the professional competence for augmenting universal human order,

- b) Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems, technologies and management models
27. Case studies of typical holistic technologies, management models and production systems
28. Strategy for transition from the present state to Universal Human Order:
 - a) At the level of individual: as socially and ecologically responsible engineers, technologists and managers
 - b) At the level of society: as mutually enriching institutions and organizations**

Text Books:

R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.

References:

- Ivan Illich, 1974, Energy & Equity, The Trinity Press, Worcester, and Harper Collins, USA
- E.F. Schumacher, 1973, Small is Beautiful: a study of economics as if people mattered, Blond & Briggs, Britain.
- Sussan George, 1976, How the Other Half Dies, Penguin Press. Reprinted 1986, 1991
- Donella H. Meadows, Dennis L. Meadows, Jorgen Randers, William W. Behrens III, 1972, Limits to Growth – Club of Rome’s report, Universe Books.
- A Nagraj, 1998, Jeevan Vidya Ek Parichay, Divya Path Sansthan, Amarkantak.
- P L Dhar, RR Gaur, 1990, Science and Humanism, Commonwealth Publishers.
- A N Tripathy, 2003, Human Values, New Age International Publishers.
- SubhasPalekar, 2000, How to practice Natural Farming, Pracheen (Vaidik) KrishiTantraShodh, Amravati.

E G Seebauer & Robert L. Berry, 2000, Fundamentals of Ethics for Scientists & Engineers , Oxford University Press

0. M Govindrajran, S Natrajan & V.S. Senthil Kumar, Engineering Ethics (including Human Values), Eastern Economy Edition, Prentice Hall of India Ltd.

1. B P Banerjee, 2005, Foundations of Ethics and Management, Excel Books.

B L Bajpai, 2004, Indian Ethos and Modern Management, New Royal Book Co., Lucknow. Reprinted 2008.

Mode of Evaluation: Assignment/ Seminar/Continuous Assessment Test/Semester End Exam

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

| | |
|---------------------------|---------------------------------------|
| Name of The Course | Nursing research and statistics |
| Course Code | NRS319 |
| Prerequisite | 10+2 with PCB 55% |
| Co-requisite | Nursing research and statistics books |
| Anti-requisite | NA |
| | L T P C |

| | | | | |
|--|---|---|---|---|
| | 2 | 0 | 2 | 3 |
|--|---|---|---|---|

Course Objectives

1. To enable students to understand the importance of research in nursing.
2. To enable the students to apply concepts of research in nursing.
3. To identify various sources of review of literature.
4. To explain the use of statistics, scales of measurement and graphical presentation.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

| | |
|---|----------|
| Unit-1 Research and research process hours | 5 |
| <ul style="list-style-type: none"> • Introduction and need for nursing research • Definition of Research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process – overview | |

| | |
|--|--|
| <p>Unit-2 Research Problem Question 4 hours</p> <p>Identification of problem area</p> <ul style="list-style-type: none"> • Problem statement • Criteria of a good research problem. • Writing objectives | <p>Compilation, Tabulation, classification, summarization, presentation, interpretation of data</p> |
| <p>Unit-3 Review of literature 4 hours</p> <ul style="list-style-type: none"> • Location • Sources • On line search; CINHAL, COCHRANE etc • Purposes • Method of review | <p>Unit-7 Introduction to statistics 15 hours</p> <ul style="list-style-type: none"> • Definition, use of statistics, scales of measurement. • Frequency distribution and graphical presentation of data • Mean, Median, Mode, Standard deviation • Normal Probability and tests of significance • Co-efficient of correlation. |
| <p>Unit-4 Qualitative and Quantitative designs 6 hours</p> | <ul style="list-style-type: none"> • Statistical packages and its application <p>Unit-8 Communication and utilization of research</p> |
| <p>Unit-5 Sampling and data collection 8 hours</p> <ul style="list-style-type: none"> • Definition of Population, Sample, Sampling criteria, factors influencing • sampling process, types of sampling techniques. • Data- why, what, from whom, when and where to collect. • Data collection methods and instruments: <p>Methods of data collection, Questioning, interviewing, Observations, record analysis and measurement, Types of instruments, Validity & Reliability of the Instrument, Pilot study, Data collection procedure</p> | <p>4 hours</p> <ul style="list-style-type: none"> • Communication of research findings • Verbal report • Writing research report • Writing scientific article/paper ,Critique review of published research ,utilization of research findings <p>School of Nursing</p> <p>Suggested Reading</p> <p>Text Book (s):</p> <ol style="list-style-type: none"> 1. Mrs Sunanda S Roy Choudhary “Textbook of nursing research”1st edition ,KPH publishers |
| <p>Unit-6 Analysis of data 4 hour</p> | <ol style="list-style-type: none"> 2. BT Basavanthappa “ Essentials of nursing research “ jaypee publishers 3. Prof Arun Kumar Jindal “Nursing research and statistics” KPH publishers |

Reference Book (s):

1. Denise F Polit “Essential of nursing research” 8th edition , Lippincott publishers.
2. Suresh K Sharma “ Nursing Research and statistics”2nd edition , Elsevier publishers
3. Elizabeth heavy “statistics for nursing “1st edition , Lippincott publishers .

| | | | | |
|---------------------------|---|----------|----------|----------|
| Name of The Course | ENVIRONMENTAL STUDIES | | | |
| Course Code | EVS318 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | Demonstration, projects, Video film, charts | | | Group |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 2 | 0 | 0 | 2 |

Course Objectives

1. Describe scope and importance of Environmental studies.
2. Describe renewable and non-renewable resources of Environmental Studies.
3. Describe the concept and functions of ecosystem
4. Describe ecosystem diversity and conservation of biodiversity
5. Describe causes, effects and measures of environmental pollutions
6. Describe social issues affecting environmental health and acts for maintaining environment

7. Describe Population growth and its effects on environment

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

| | | |
|---------------|---|----------------|
| Unit-1 | Multidisciplinary Nature of environmental studies. | 2 hours |
| | Definition, Scope and importance, Need for public awareness | |
| Unit-2 | Natural resources Renewable and nonrenewable resources. | 7hrs |
| | Natural resources and associated problems, Forest resources: Use and over-exploration, deforestation and case studies .Timber extraction, Timber extraction, mining, dams and their effects on forest and tribal people, Water resources: Use and Over utilization of surface and ground water , floods , droughts , conflicts over water ,dam benefits and problems, Mineral resources: use and exploitation ,environmental effects of extracting and using mineral resources and case studies, Food resources: world food problems ,changes caused by agriculture and over , grazing ,effects of modern | |

agriculture , fertilizer, pesticide problems , water logging ,salinity , case studies,
 Energy resources: growing energy needs renewable and nonrenewable energy resources , use of alternate energy sources, case studies,
 Land resources: land as a resources land degradation , man induced landslides soil erosion , and desertification,
 Role of an individual in the conservation of natural resources,
 Equitable use of resources for sustainable lifestyles.

Unit-3 Ecosystems

5hrs

Concept of an ecosystem, Structure and function of an ecosystem, Producers ,consumers and decomposers, Energy flow in ecosystem, Ecological succession, Food chains, food webs and ecological pyramids, Introduction , types ,characteristic feature Structure and function of the following Ecosystems: Forest ecosystem Grassland ecosystem desert ecosystemaquatic ecosystem (ponds ,stream ,lake rivers oceans ,estuaries

Unit-4 Biodiversity and Its Conservation
8hrs

Introduction-definition, genetic, species and ecosystem diversity, Bio geographical classification of India. Value of biodiversity: consumptive use. productive use, social, ethical, aesthetic and option values, Biodiversity at global, national and local LevelIndia as a mega-diversity nation, Hot-spots of bi diversity, Threats to bio diversity :habit loss, poaching of wildlife, man-wildlife conflicts, Endangered and endemic species of India, Conservation of biodiversity: in –situ and Ex-situ conservation of biodiversity

Unit-5 Environmental Pollution

8hrs

Definition, Causes, effects and control measures of: Air pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution Solid waste management: causes, effects and control measures of urban and industrial waste Role of an individual in the prevention of pollution, Pollution case studies Disaster management: flood, earthquakes, cyclones and land slides

Unit-6 Social issues and the Environment. 10hrs

From unsustainable to sustainable development. Urban problems related to energy, Water conservations,rain water harvesting, water shed management, Resettlement and rehabilitation of people. Its problems and concerns .case study. Environmental ethics: issues and possible solutions. Climate changes, global warming, acid rain, ozone layer depletion, nuclear accident, and hole cast. Case studies, Waste land reclamation. Consumerism and waste product.

Environmental protection act. Air (prevention and control of pollution) act. Water (prevention and control of pollution) Act, Wild life protection act, Forest conservation act Issues involved in the enforcement of environmental legislation, Public awareness

Unit-7 Human population and the environment
5hrs

Population growth,variation among nations, Population explosion- family welfare program, Environmental and human health.Human rights.Value education.HIV/AIDS Women and child welfare. Role of information technology in environment human health

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Suggested Reading

Text Book (s)

1. A textbook of Environmental Studies for Nurses\
2. Prof. (Dr.) NV Muninarayanappa,
3. Eldo Raju & Sandeep K Raju.

Reference Book (s)

1. medlineplus.gov>encyclopedia
1. ncbi.nlm.nih.gov>pub med

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

| | | | | |
|---------------------------|--|----------|----------|----------|
| Name of The Course | Medical and Surgical Nursing II (P) | | | |
| Course Code | MSP303 | | | |
| Prerequisite | Knowledge regarding MSN-I | | | |
| Co-requisite | Med Surg lab with models, charts, log book, procedure manual | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 0 | 0 | 9 | 5 |

Course Content:

| | |
|---|-----------|
| Unit-1 ENT hours | 30 |
| Perform examination of ear, nose and throat Assist with diagnostic procedures Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations. Apply ear bandage Perform tracheotomy care Teach patients and families. | |
| Unit-2 Ophthalmology 180hours | |
| Perform examination of eye Assist with diagnostic procedures Assist with therapeutic procedures Perform/assist with Irrigations. Apply eye bandage Apply eye drops ointments Assist with foreign body removal. Teach patients and families. | |
| Unit-3 Neurology 60 hours | |
| Perform Neurological Examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients & families Participate in rehabilitation program. | |
| Unit-4 Gynecology ward 30hours | |

Course Objectives

1. To enable students to provide nursing care to adult patients with various medical & surgical disorders.
2. To enable students in providing care to patients suffering from occupational disorders.
3. To enable students to identify various instruments used in common operations
4. To enable students to participate in infection control practices in the operation theatre.
5. To enable students to provide care to geriatric patients

Continuous Assessment Pattern

| | |
|--|----------------|
| Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic Procedures Teach patients families Teaching self Breast Examination. Assist with PAP smear collection. | |
| Unit-5 Burns Unit | 25 |
| hours | |
| Assessment of the burns patient Percentage of burns Degree of burns. Fluid & electrolyte replacement therapy Assess Calculate Replace Record intake/output Care of Bum wounds Bathing Practice medical & Dressing Perform active & passive exercises surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program. | |
| UNIT-6 Oncology Unit | 50 |
| HOURS | |
| Screen for common cancers-TNM Classification Assist with diagnostic Procedures Biopsies Pap smear Bone-marrow aspiration Breast examination Assist with therapeutic procedures Participates in various modalities of Treatment Chemotherapy Radiotherapy Pain management Stoma therapy Hormonal therapy Immunotherapy • Gene therapy Alternative therapy Participate in palliative care Counsel and teach patients families | |
| UNIT-7 Critical care unit | 50HOURS |
| Assist in arterial puncture for blood gas analysis.Perform ECG and interpret accordingly.Conduct and analysis pulse oximetry.Care with artificial airway.Assist in | |

endotracheal intubation.Setting up ventilator,Giving care in ventilator.

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Suggested Reading

Text Book (s)

1. Jacob–Clinical Nursing Skills& Procedures, 2008,Jaypee
2. LWW – Lippincott’s Nursing Procedure, 2008, LWW

Reference Book (s)

1. Taylor – Fundamentals of Nursing, 2007, LWW
2. Kozier – Fundamentals of Nursing ,2007,Pearson
3. Potter – Basic Nursing ,2008,Elsevier
3. Lynn – Taylor’s Clinical Nursing Skills,2008,LWW

| | |
|---------------------------|--|
| Name of The Course | Child Health Nursing (Practical) |
| Course Code | CHP304 |
| Prerequisite | anatomy and physiology, medical surgical nursing |
| Co-requisite | Maternal and child health nursing lab with models, dummy, charts, log book |
| Anti-requisite | NA |
| | L T P C |

- Total parenteral nutrition
- Phototherapy
- Monitoring of babies

Cardio pulmonary resuscitation

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Suggested Reading

Text Book (s)

Parul – Pediatric Nursing, 2014, Jaypee

Marlow – Textbook of Pediatric Nursing, 1996, Elsevier

Reference Book (s)

1. Padmaja – Pediatric Procedure Manual, 2014, Jaypee

2. Ghai – Essentials of Pediatrics, 2009, CBS

3. Lakshmana’s – Clinical Pediatrics, Lakshmana Publications

4. Hockenberry – Wong’s Nursing Care of the Infants & Children, 2007, Elsevier

| | |
|---------------------------|--|
| Name of The Course | Mental health Nursing (PRACTICAL) |
| Course Code | MHP305 |
| Prerequisite | Knowledge regarding psychology |
| Co-requisite | Demonstration, group project, MHN practical log book |
| Anti-requisite | NA |
| | L T P C |

| | | | | |
|--|---|---|---|---|
| | 0 | 0 | 9 | 5 |
|--|---|---|---|---|

Course Objectives

1. To enable student to Assess patients with mental health problems ,assist in therapy and council patient and family
2. To enable students to assess children with various mental health problems, council and educate children and their family
1. To enable students to provide nursing care for patients with various mental health problems and assist in various in therapy
2. To enable students to identify patients with mental disorders , motivate patients for early treatment and assist for follow up clinics

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

| |
|---|
| <p>Unit-1 Psychiatric OPD (Assess patients with mental health problems Observe and assist in Therapies Counsel and educate patient, and families) 30 hrs</p> |
| <p>History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination</p> |

Observe and assist in therapies
Teach patients and family

Unit 2- Child Guidance clinic
(Assessment of children with various mental health problems Counsel and educate children, families and significant others) 60hours

History taking
Assist in psychometric assessment
Observe and assist in various therapies
Teach family and significant others

Unit 3- Inpatient ward
Assess patients with mental health problems To provide nursing care for patients with various mental health problems Assist in various therapies Counsel and educate patients, families and significant others 180 HRS

History taking
Perform mental status examination (MSE)
Perform Neurological examination
Assist in psychometric Assessment
Record therapeutic , communication
Administer medications
Assist in Electro- convulsive Therapy (ECT)
Participate in all therapies
Prepare patients for Activities of Daily

Unit 4- Community Psychiatry
To identify' patients with various mental disorders To motivate patients for early treatment and follow up To assist' in follow up clinic Counsel and educate patient, family and community 30 hrs

Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community

School of Nursing

Suggested Reading

Text Book (s)

1. Townsend – Psychiatric Mental Health Nursing,2007.F.A.Davis
2. Stuart – Principles & Practice of Psychiatric Nursing,2008,Elsevier

Reference Book (s)

1. . Boyd – Psychiatric Nursing,2007,LWW
2. Kaplan – Kaplan & Sadock’s Synopsis of Pyschiatry,2007,LWW
1. Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW

Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers

| | |
|---------------------------|--|
| Name of The Course | Midwifery and Obstetrical Nursing (Practical) |
| Course Code | OGP306 |
| Prerequisite | Knowledge of anatomy and physiology of reproductive system |

| | | | | |
|-----------------------|---|----------|----------|----------|
| Co-requisite | Maternal and child health nursing lab with dummy, charts, log book, group project, Midwifery case book, Clinical posting at maternity wards | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 0 | 0 | 12 | 6 |

Course Objectives

1. To enable students to acquire knowledge of anatomy and physiology of female reproductive system
2. To enable students to acquire knowledge of normal pregnancy and its management.
3. To provide comprehensive care to the mother and neonates.
4. To apply knowledge of midwifery and obstetrics nursing in care of patient at hospital and community settings.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

Unit-1 Antenatal clinic/OPD 60 hours

- Antenatal history taking, Physical examination,
- Recording of Weight & B.P,Hb.& Urine testing for sugar and albumin
- Antenatal examination-abdomen and breast, Immunization
- Assessment of risk status, Teaching antenatal mothers

Maintenance of Antenatal records

Unit-2 Labour room /OT 150 hours

- Assessment of Woman in labour
- Per vaginal examinations and interpretation
- Monitoring and caring of woman in labour
- Maintenance of partograph,Conduct normal delivery
- Newborn assessment and immediate care
- Resuscitation of newborns
- Assessment of risk status of newborn
- Episiotomy and suturing
- Maintenance of labour and birth records
- Arrange for and assist with Cesarean section and care for woman& baby during Cesarean

Arrange for and assist with MTP and other surgical procedures

Unit-3 Postnatal Ward 120 hours

- Examination and assessment of mother and Baby
- Identification of deviations
- Care of postnatal mother and baby
- Perineal care, Lactation. Management, Breast feeding,Babybath
- Immunization,
- Teaching postnatal mother:
- Mother craft

| | |
|--|-----------|
| Post natal care & Exercises and Immunization | |
| Unit-4 Newborn nursery hours | 70 |
| <ul style="list-style-type: none"> ➤ Newborn assessment: Admission of neonates, Feeding of at neonates ,Risk Katori, spoon,paladi, tube feeding, total parenteral nutrition ➤ Thermal management of neonates, kangaroo mother care, care of baby in incubator ➤ Monitoring and care of neonates, Administering medications, Intravenous therapy ➤ Assisting with diagnostic procedure, Assisting with exchange transfusion ➤ Care of baby on ventilator,Phototherapy,Infection control,protocols in the nursery | |
| Teaching and counseling of parents, Maintenance of Neonatal records | |
| Unit-5 Family planning clinic hours | 30 |
| <ul style="list-style-type: none"> ➤ Counseling technique ➤ Insertion of IUD ➤ Teaching on use of family planning methods ➤ Arrange for and Assist with family planning operations | |
| Maintenance of records and reports | |

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Suggested Reading

Text Book (s):

1. Myles. “Text book for midwives”.7th edition 2004; Churchill livingstone.
2. D.C.Dutta. Text book of Obstetrics. 6th edition 2004; New central book agency.

Reference Book (s):

1. Orshan – Maternity Nursing, 2009, LWW
2. Ricci – Essentials of maternity nursing, 2009, Lippincotts
3. William’s Obstetrics,2009, Mcgrahill
4. Lowdermilk – Maternity Nursing, 2008, Elsevier

| | | | | |
|---------------------------|---|----------|----------|----------|
| Name of The Course | Midwifery and obstetrical nursing | | | |
| Course Code | OGN420 | | | |
| Prerequisite | 1.Knowledge regarding anatomy and physiology of reproductive system 2.Knowledge regarding normal pregnancy, labour, puerperium and newborn | | | |
| Co-requisite | Maternal and child health nursing lab with models, dummy, charts, log book, case book | | | |
| Anti-requisite | NA | | | |
| | L | T | P | C |
| | 3 | 0 | 0 | 3 |

Course Objectives

This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also

helps to develop skills in managing normal and high risk neonates and participate in family welfare programme

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

Unit-1 High-risk pregnancy – assessment & management 10HRS

- Screening and assessment - Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, Newer modalities of diagnosis
- High-risk approach
 - Levels of care; primary, secondary and tertiary levels
- Disorders of pregnancy - Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic - Pregnancy, vesicular mole, - Ante-partum haemorrhage .
- Uterine abnormality and displacement.
- Diseases complicating pregnancy - Medical and surgical conditions - Infections, RTI (STD), UTI, HIV, TORCH - Gynaecological diseases complicating pregnancy , Pregnancy induced hypertension .& diabetes, Toxemia of pregnancy,hydramnios, Rh incompatibility u Mental disorders
 - Adolescent pregnancy, Elderly primi and grand multipara
 - Multiple pregnancy ,Abnormalities of placenta & cord
 - Intra-uterine growth retardation
 - Nursing management of mothers with high-risk pregnancy Maintenance of Records and Report

Unit-2 Abnormal Labour – assessment and management

10hrs

- Disorders in labour - CPD and contracted pelvis - Malpositions and malpresentations- Premature labour, disorders of uterine actions - precipitate labour, prolonged labour
- Complications of third stage: injuries to birth canal
- Obstetrical emergencies and their management; - Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock
- Obstetrical procedures and operations;
 - Induction of labour, forceps, vacuum version, manual removal of placenta, cesarean section, destructive operations
 - Nursing management of women undergoing Obstetrical operations and Procedures

Unit-3 Abnormalities during Postnatal Periods 3hrs

- Assessment and management of woman with postnatal Complications:
- Puerperal infections, breast engorgement & infections, thrombo-Embolic disorders, post- partum haemorrhage, Eclampsia and subinvolution, Psychological complications:
- Post partum Blues - Post partum Depression - Post partum Psychosis

Unit-4 Assessment and management of High risk newborn 8hrs

- Admission of neonates in the neonatal intensive care units- protocols Nursing management of-: Low birth weight babies - Infections - Respiratory problems - hemolytic disorders- Birth injuries – Malformations
- Monitoring of high risk neonates

- Feeding of high risk neonates ,Organization and management of neonatal intensive care units ,Infection control in neonatal intensive care units
- Maintenance of reports and records.

Unit-5 Pharmaco-therapeutics in obstetrics
4hrs

Indication, dosage, action, contra indication and side effects of drugs

Effect of drugs on pregnancy, labour & puerperium, Nursing responsibilities in the

Administration of drug in Obstetrics - oxytocins, antihypertensives, diuretics, tocolytic agents, anti convulsants; Analgesics and anesthetics in obstetrics.

Effects of maternal medication on foetus and neonate.

Unit-6 Family Welfare Programme 10hrs

• Population trends and problems in India • Concepts, aims, importance and history of family welfare programme • National Population: dynamics, policy and education

•National family welfare programme; RCH, ICDS, MCH. Safe motherhood

• Organization and administration; at national, state, district, block and village levels • Methods of contraception; spacing, temporary and permanent, Emergency contraception

• Infertility and its management

• Counseling for family welfare

• Latest research in contraception

•Maintenance of vital statistics

• Role of national, international and voluntary organizations

• Role of a nurse in family welfare programme , Training / Supervision /Collaboration with other functionaries in community like ANMs. LHVs, Anganwadi workers, TBAs (Traditional birth attendant - Dai)

School of Nursing

Suggested Reading

Text Book (s)

1. Myles. “Text book for midwives”.7th edition 2004; Churchill livingstone.
2. D.C.Dutta. Text book of Obstetrics. 6 th edition 2004; New central book agency.
3. Orshan – Maternity Nursing, 2009,LWW
4. Ricci – Essentials of maternity nursing, 2009, Lippincotts

Reference Book (s)

1. William’s Obstetrics,2009,Mcgrahill
2. Lowdermilk – Maternity Nursing,2008,Elsevier
3. A Comprehensive Textbook of Midwifery and Gynecological Nursing, Third Edition,by Annama Jacob, JP publisher.

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|---------------------------|---|
| Name of The Course | COMMUNITY HEALTH NURSING-II |
| Course Code | CHN421 |
| Prerequisite | |
| Co-requisite | Fully Equipped Classrooms with computer, LCD Projector, Whiteboard, CHN Lab |
| Anti-requisite | NA |
| | L T P C |

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Course Objectives

This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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|---|
| <p>Unit-1 Introduction 4 hours Definition, concept & scope of Community Health and Community Health Nursing • Historical development of Community health • Community health Nursing. - Pre-independence - Post-independence</p> |
| <p>Unit-2 Health planning and policies and problems 6 hours National health planning in India- Five Year Plans • Various committees and commissions on health and family welfare • Central council for health and family welfare (CCH and FW), National health policies (1983,2002) • National population policy • Health problems in India</p> |

Unit-3 Delivery of community health services 15hours

Planning, budgeting and material management of SCs , PHC and,CHC

Rural: Organization, staffing and functions of rural health services provided by government at:

- Village, Sub centre, Primary health centre, Community health center /sub

divisional,Hospitals,District,State,Center

• Urban: Organization, staffing and functions of urban health services provided by government at:

- Slums,Dispensaries,Maternal and child health centers, Special Clinics , Hospitals, Corporation / Municipality /Board, Components of health services, Environmental sanitation, Health education, Vital statistics,M.C.H. - antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act

• Family Welfare, National health programmes, School health services, Occupational health,Defence services ,Institutional services, Systems of medicine and health care

- Allopathy,Indian System of Medicine and Homeopathy

• Alternative health care systems like yoga, meditation, social and spiritual healing etc

- Referral system

Unit-4 Community health nursing approaches, concepts and roles and responsibilities of nursing 25hrs

• Approaches, Nursing theories And Nursing process, Epidemiological approach, Problem solving approach

• Evidence based approach, Empowering people to care for themselves

- Concepts of Primary Health Care:
 - Equitable distribution
 - Community participation
 - Focus on prevention
 - Use of appropriate technology
 - Multi-sectoral approach

- Roles and responsibilities of Community health nursing personnel in
- Family health services
- Information Education Communication (IEC)
- Management Information System (Mis): Maintenance of Records & reports
- Training and supervision of various categories of health workers
- National Health Programmes
- Environmental sanitation
- Maternal and child health and Family welfare
- Treatment of Minor ailments
- School Health Services
- Occupational Health
- Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation
- Waste management in the center, clinics etc.

Home visit: Concept, Principles, Process, Techniques: Bag technique home visit, Qualities of Community Health Nurse

Unit-5 Job Description of Community health nursing personnel

15hrs

Assisting individuals and groups to promote and maintain their health

Empowerment for self care of individuals, families and groups in

A. Assessment of self and family, Monitoring growth and development, Mile stones, Weight measurement, Social development, Temperature and Blood pressure monitoring, Menstrual cycle, Breast self examination and testicles, Warning Signs of various diseases

- Tests : Urine for sugar and albumin, blood sugar

B. Seek health services for Routine checkup, Immunization Counseling, Diagnosis, Treatment, Follow up, Maintenance of health records for self and family

- Continue medical care and follow up in community for various diseases and disabilities

E. Carryout therapeutic procedures as prescribed!
Required for self and family

F. Waste Management

- Collection and disposal of waste at home and community

G. Sensitize and handle social issues affecting health and development for self and family

- Women Empowerment

- Women and child abuse,

- Abuse of elders, Female Foeticide, Commercial sex workers

- Food adulteration, Substance abuse, Utilize community resources for self and family Trauma services

- Old age homes, Orphanage, Homes for physically and mentally challenged individuals, Homes for destitute

UNIT 6 National Health & Family Welfare Programmes and the Role of Nurse 12HRS

National ARI Programme, Revised National Tuberculosis Control Programme (RNTCP)

National Anti-Malaria Programme, National Filaria control Programme, National Guinea worm

eradication Programme, National Leprosy Eradication Programme, National AIDS Control Programme, STD

Control Programme, National Programme for Control of Blindness Iodine Deficiency Disorder Programme

, Expanded Programme on Immunization

National Family Welfare Programme – RCH Programme

Historical Development, Organization, Administration, Research, Constraints

National Water Supply & Sanitation Programme, Minimum need programme, National Diabetics Control Programme, Polio Eradication, Pulse Polio Programme,

National Cancer Control Programme, Yaws eradication programme, National Nutritional Anemia Prophylaxis Programme, 20 Point Programme, ICDS Programme

Mid-day Meal Applied Nutritional Programme, National Mental Health Programme, Health Schemes

ESI, CGHS, Health Insurance

UNIT 7 Health Agencies

5hrs

International - WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (BC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. National - Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association India, Hindu Kusth Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.

School of Nursing

Suggested Reading

Text Book (s)

1. K. Park – Social and Preventive Medicine
Banott Publishers
2. KK Gulani “ Community health nursing” 2nd
edition, Kumar publishing house
3. Ravi Prakash Saxena, Community Health
Nursing- II for B.Sc Nursing students, 2012
4. Neelam Kumar “ A Textbook of community
health Nursing-II” 2ND edition, Pee Vee
Publishers

Reference Book (s)

1. Mary Jo Clark “Community Assessment
reference guide” 5th edition , Elsevier
Publication
2. Mary A Neis “ Community/Public Health
Nursing” 6th edition, Elsevier Publication
3. Bijayalaskhmi Dash “ A comprehensive
textbook of community health nursing” 1st
edition, Jaypee Publications
4. Mary Ann Hogan “ community health
nursing” 1st edition , Vango publishers

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|---------------------------|---|----------|----------|----------|
| Name of The Course | Management of nursing service and education | | | |
| Course Code | MSE422 | | | |
| Prerequisite | 10+2 with PCB 55% | | | |
| Co-requisite | organizational charts, White board, LCD projector, Log book | | | |
| Anti-requisite | NA | | | |
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Course Objectives

This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|----------------------------------|---------------------|-------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| Unit-1 Introduction | 4 hours |
| Introduction to management in nursing | |
| Definition, concepts and theories • Functions of management • Principles of Management • Role of Nurse as a manager | |
| Unit-2 | 5 hours |
| Describe the elements and process of management | |
| Management process Planning; mission, philosophy, objectives, operational plan Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling Human resource management; recruiting, selecting, deployment, retaining, promoting, super superannuation etc Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies Directing process, (Leading)Controlling: Quality management, Program Evaluation review technique (PERT), Bench marking, Activity Plan (Gantt Chart), | |
| Unit-3 | 8 hours |
| • Planning: Hospital and patients care units including ward management, Emergency and disaster management • Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc - Recruiting, selecting , deployment, retaining , | |

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| promoting, superannuation etc. - Categories of nursing personnel including job description of all levels - Patient/ population assignment and nursing care responsibilities - Staff development and welfare <ul style="list-style-type: none"> • Budgeting : Proposal, projecting requirements for staff, equipments and supplies for • Hospital and patient care units • Emergency and disaster management • Material management , procurement , inventory control, auditing and maintenance in hospital and patient care units, emergency and disaster management • Directing and leading: delegation , participatory management , assignments , rotations , delegations, supervision and guidance, implement standards, policies , procedures and practices • Staff development and welfare, maintenance of discipline , controlling/evaluation, nursing rounds/visits, nursing protocols, manuals, quality assurance , model, documentation, records and reports, performance appraisal | |
| Unit-4 | 5 hours |
| Organizational behavior and human relations: | |
| Concepts and theories of organizational behaviors • Review of Channels of communication, Leadership styles, Review of Motivation; concepts and theories • Group dynamics, Techniques of Communication; Interpersonal relationships, Human relations; Public relations in context of nursing, Relations with professional associations and employee unions and Collective bargaining | |

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| Unit-5 | 5 hours |
| <p>In-service education Nature & scope of in service education program, Organization of in service education • Principles of adult learning, Planning for in-service education program, techniques, methods & evaluation of staff education program • Preparation of report</p> | |
| Unit-6 | 10 hours |
| <p>Management of nursing educational institutions • Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with Regulatory bodies, Accreditation, Affiliation, Philosophy! objectives - Organization Structure, Committees, Physical facilities, College/School, Hostel Students Selection, Admission • Guidance and Counselling, Maintaining discipline, Faculty and staff, Selection Recruitment Job description • Placement ,Performance appraisal, Development and welfare Budgeting ,Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc • Curriculum; Planning, implementation and evaluation, clinical facilities, transport facilities, institutional records and reports, administrative , faculty , staff and students</p> | |

Suggested Reading

Text Book (s)

- Jogindra Vati “ principles and practice of nursing management and administration”.2nd edition 2004; jaypee Publications

- Clement “ management of nursing services and education “ 2nd edition 2007, Elsevier publications
- Shabnam masih”Essentials of nursing management in service and education” 2nd edition 2011, lotus publishers

Reference Book (s)

- C. Manivannam , T Latha manivannam, J Baskaran “Textbook of nursing management in service and education” 2nd edition, 2016, Atithi publishers
- Anita Finkelman” Leadership and management for nurses” 2nd edition 2013, Lotus Publishers
- Patricia Kelly, Janice Tazbir “Essentials of nursing leadership and management” , 3rd edition 2016, Health care publishers
- Linda roussel, Patricia L Thomas, James L Harris “ management and leadership for nurse administrators “ 7th edition, 2016, Jones and barlett publishers

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|---------------------------|---|
| Name of The Course | Midwifery and obstetrical nursing (practical) |
| Course Code | OGP306 |
| Prerequisite | <ol style="list-style-type: none"> Knowledge regarding abnormal antenatal, intranatal ,postnatal and newborn assessment Knowledge regarding conducting normal and abnormal delivery |
| Co-requisite | Maternal and child health nursing lab with models, dummy, charts, log book |

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| Anti-requisite | | | | | |
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Course Objectives

This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| <p>Unit-1 Assessment of high risk pregnant women 60hours</p> <p>Assessment of risk status Antenatal history taking Physical examination, Recording of Weight & B.P, Hb.& Urine testing for sugar and albumin, Antenatal examination- abdomen and breast, Immunization, Teaching antenatal mothers, Maintenance of Antenatal records</p> |
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| <p>Unit-2 Assessment of Woman in labour 120hrs</p> <p>Per vaginal examinations and interpretation, Monitoring and caring of woman in labour, Maintenance of partograph, Conduct normal delivery, Newborn assessment and immediate care, Resuscitation of newborns. Assessment of risk status of newborn Episiotomy aid suturing, Maintenance of labour and birth records, Arrange for and assist with Cesarean section and care for woman& baby during Cesarean Arrange for and assist with MTP and other surgical procedures</p> |
| <p>Unit-3 Examination and assessment of mother and Baby 120hrs</p> <p>Identification of deviations, Care of postnatal mother and baby Perineal care, Lactation. Management, Breast feeding, Babybath , Immunization, Teaching postnatal mother: Mother craft, Post natal care & Exercises Immunization</p> |
| <p>Unit-4 Newborn assessment 70hrs</p> <p>Admission of neonates, Feeding of at neonates risk, • Katori spoon, paladi, tube feeding, total parenteral nutrition • Thermal management of neonates-kangaroo mother care, care of baby in incubator •Monitoring and care of Neonates • Administering medications. Intravenous therapy • Assisting with diagnostic procedure Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy</p> |

•Infection control protocols in the nursery, Teaching and counseling of parents Maintenance of Neonatal

Unit-5 Family planning clinic 30hrs

Insertion of IUD, Teaching on use of family planning methods, Arrange for and Assist with family planning Operations, Maintenance or records and reports

School of Nursing

Suggested Reading

Text Book (s)1. Myles. “Text book for midwives”.7th edition 2004; Churchill livingstone.

2.D.C.Dutta. Text book of Obstetrics. 6 th edition 2004; New central book agency

Reference Book (s)

1. Orshan – Maternity Nursing ,2009,LWW

2.Ricci – Essentials of maternity nursing, 2009, Lippincotts

3.William’s Obstetrics,2009,Mcgrahill

4.Lowdermilk – Maternity Nursing,2008,Elsevier

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|---------------------------|---|
| Name of The Course | Community health Nursing -II (PRACTICAL) |
| Course Code | CHP407 |
| Prerequisite | Knowledge regarding CHN -I |
| Co-requisite | Community health nursing labs, charts, community bags, log book |
| Anti-requisite | NA |

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Course Objectives

1. To enable students to Identify prevalent communicable and non-communicable diseases in community
2. To enable students to acquire knowledge and Diagnose health needs of Individual, families and community
3. To understand the importance of Vital health statistics in the community
4. To encourage the students to participate in various health programs in the community

Continuous Assessment Pattern

| Continuous Assessment Test (MTE) | End Term Exam (ETE) | Total Marks |
|---|----------------------------|--------------------|
| 12.5+12.5 | 75 | 100 |

Course Content:

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| Unit-1 Community health nursing 135 hrs |
| Community health survey, Community diagnosis Family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: High risk mothers and neonates, Accidents and emergencies |

Illnesses: Physical and mental Disabilities
 Conduct delivery at centre/home: episiotomy and suturing, Resuscitate newborn
 School Health programme, Screen, manage, refer children
 Collaborate with health and allied agencies Train and Supervise health workers
 Provide family welfare services: insertion of IUD, Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly health, Physically and mentally challenged individuals etc.
 Collect and calculate vital health statistics
 Document and maintain : Individual , family and administrative records, write reports centre, disease, national health programme/projects

practice for promoting health” 3rd edition, 1992, Mosby publishers

Unit 2- Community health posting in urban areas
195hours

Integrated practice and group project-1 in each rural and urban areas

School of Nursing

Suggested Reading

Text Book (s)

1. K.Park –Textbook of Social and Preventive Medicine ,Bannott Publishers
2. KK Gulani “Community health Nursing” 2nd edition , Kumar publishing house
3. Manivannan C,Latha Manivannan T,1st edition , Jaypee Brothers Publishers

Reference Book (s)

1. Mary Jo Clark “ Community assessment reference guide “2nd edition 2015
2. Stanhope , Marcia” Quick reference to community health nursing : Process and