

# Syllabus

## Basic B.Sc. Nursing



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## CURRICULUM

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# ENGLISH

Placement – First Year

Time: Theory - 60 hours

**Course Description:** The Course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experiences.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> <li>• Speak and Write grammatically Correct English</li> <li>• Review of Grammar</li> </ul>	<ul style="list-style-type: none"> <li>• Remedial study of Grammar</li> <li>• Building Vocabulary</li> <li>• Phonetics</li> <li>• Public Speaking</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate use of dictionary</li> <li>• Class-room conversation</li> <li>• Exercise on use of Grammar</li> <li>• Practice in public speaking</li> </ul>	<ul style="list-style-type: none"> <li>• Objective Type</li> <li>• Fill in the blanks</li> <li>• Para-phrasing</li> </ul>
II	30	<ul style="list-style-type: none"> <li>• Develop ability to read, understand and express meaningfully, the prescribed text.</li> </ul>	<ul style="list-style-type: none"> <li>• Read and comprehend prescribed course books</li> </ul>	<ul style="list-style-type: none"> <li>• Exercise on:                             <ul style="list-style-type: none"> <li>▪ Reading</li> <li>▪ Summarizing</li> <li>▪ Comprehension</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Short Answers</li> <li>• Essay Types</li> </ul>
III	10	<ul style="list-style-type: none"> <li>• Develop writing skills</li> </ul>	<ul style="list-style-type: none"> <li>• Various forms of composition                             <ul style="list-style-type: none"> <li>▪ Letter writing</li> <li>▪ Note taking</li> <li>▪ Precis writing</li> <li>▪ Nurses notes</li> <li>▪ Anecdotal records</li> <li>▪ Diary writing</li> <li>▪ Reports on health problems etc.</li> <li>▪ Resume/CV</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exercises on writing:                             <ul style="list-style-type: none"> <li>▪ Letter writing</li> <li>▪ Nurses Notes</li> <li>▪ Precis ▪ Diary ▪ Anecdote</li> <li>▪ Health problems</li> <li>▪ Story writing</li> <li>▪ Resume/CV</li> </ul> </li> <li>• Essay writing                             <ul style="list-style-type: none"> <li>▪ Discussion on written reports/ documents</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the skills based on the check list</li> </ul>
IV	6	<ul style="list-style-type: none"> <li>• Develop skill in spoken English</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Spoken English</b> <ul style="list-style-type: none"> <li>▪ Oral report</li> <li>▪ Discussion</li> <li>▪ Debate</li> <li>▪ Telephonic conversation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exercise on:                             <ul style="list-style-type: none"> <li>▪ Debating</li> <li>▪ Participating in Seminar, panel, symposium</li> <li>▪ Telephonic</li> <li>▪ Conversation</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the skills based on the check list</li> </ul>
V	4	<ul style="list-style-type: none"> <li>• Develop skill in listening comprehension</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Listening Comprehension</b> <ul style="list-style-type: none"> <li>▪ Media, audio, video, speeches etc.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Exercise on:                             <ul style="list-style-type: none"> <li>▪ Listening to audio, video tapes and identify the key points</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the skills based on the check list</li> </ul>



# ANATOMY

Placement- First Year

Time: Theory - 60 hours

**Course Description:** The Course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands.	<b>Introduction to Anatomical terms</b> <b>organization of the human body</b> <ul style="list-style-type: none"> <li>Human Cell structure</li> <li>Tissues – Definition, Types, characteristics, classification, location, functions and formation</li> <li>Membranes and glands – classification and structure Alterations in disease Applications and implications in nursing.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using charts, microscopic slides, Skeleton &amp; torso</li> <li>Demonstrate cells, types of tissues membranes and glands</li> <li>Record book</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>
II	6	Describe the structure & function of bones and joints	<b>The Skeletal System</b> <ul style="list-style-type: none"> <li>Bones- types, structure, Axial &amp; Appendicular Skeleton,</li> <li>Bone formation and growth</li> <li>Description of bones</li> <li>Joints – classification and</li> <li>structure Alterations in disease Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using charts, skeleton, loose bones, and joints</li> <li>Record book</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>
III	7	Describe the structure and function of muscles	<b>The Muscular System</b> <ul style="list-style-type: none"> <li>Types and structure of muscles</li> <li>Muscle groups</li> <li>Alterations in disease</li> <li>Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using chart, models and films</li> <li>Demonstrate muscular movements</li> <li>Record book</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>

# NUTRITION

**Placement:** First Year

**Time:** Theory 60 hours

**Course Description:** The Course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th	Fr				
I	4		Describe the Relationship between nutrition & Health.	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Nutrition: <ul style="list-style-type: none"> <li>▪ History</li> <li>▪ Concepts</li> </ul> </li> <li>• Role of nutrition in maintaining health</li> <li>• Nutritional problems in India</li> <li>• National nutritional policy</li> <li>• Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life-style and food habits etc.</li> <li>• Role of food and its medicinal value</li> <li>• Classification of foods</li> <li>• Food standards</li> <li>• Elements of nutrition: macro and micro</li> <li>• Calorie, BMR</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explaining using charts</li> <li>• Panel discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Objective type</li> </ul>
II	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	<b>Carbohydrates</b> <ul style="list-style-type: none"> <li>• Classification</li> <li>• Caloric value</li> <li>• Recommended daily allowances</li> <li>• Dietary sources.</li> <li>• Functions</li> <li>• Digestion, absorption and storage, metabolism of carbohydrates</li> <li>• Malnutrition: Deficiencies and Over consumption</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• discussion</li> <li>• Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Objective type</li> </ul>



# BIOCHEMISTRY

Placement- First Year

Time: Theory - 30 Hours

**Course Descriptions:** The Course is designed 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> <li>Describe the structure, composition and functions of cell</li> <li>Differentiate between Prokaryote and Eukaryote cell</li> <li>Identify techniques of Microscopy</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>Definition and significance in nursing</li> <li>Review of structure, Composition and functions of cell</li> <li>Prokaryote and Eukaryote cell organization</li> <li>Microscopy</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion using charts, slides</li> <li>Demonstrate use of microscope</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>
II	6	Describe the Structure and functions of Cell membrane	<b>Structure and functions of Cell membrane</b> <ul style="list-style-type: none"> <li>Fluid mosaic model tight junction, Cytoskeleton</li> <li>Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump</li> <li>Acid base balance maintenance &amp; diagnostic tests                             <ul style="list-style-type: none"> <li>PH buffers</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>
III	6	Explain the metabolism of carbohydrates	<b>Composition and metabolism of Carbohydrates</b> <ul style="list-style-type: none"> <li>Types, structure, composition and uses;                             <ul style="list-style-type: none"> <li>Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides</li> </ul> </li> <li>Metabolism                             <ul style="list-style-type: none"> <li>Pathways of glucose:                                     <ul style="list-style-type: none"> <li>Glycolysis   <ul style="list-style-type: none"> <li>Gluconeogenesis: Cori's cycle,</li> </ul> </li> <li>Tricarboxylic acid (TCA) cycle</li> <li>Glycogenolysis</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstration of blood glucose monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Short answer questions</li> <li>Objective type</li> </ul>

# NURSING FOUNDATIONS- PRACTICAL

**Placement:** First Year

**Time:** Practical - 650 hours

(200 lab and 450 clinical)

**Course Description:** This course is designed to help the students to develop an 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 of nursing and practice them in clinical settings.

Areas	Time (in hours)	Objectives	Skills	Assignments	Assessment methods
Demonstration Lab General Medical and surgery ward	200 450 (Minimum Practice time in clinical area)	<ul style="list-style-type: none"> <li>• Performs admission and discharge procedure</li> <li>• Prepares nursing care plan as per the nursing process format</li> <li>• Communicate effectively with patient, families and team members and</li> </ul>	<b>Hospital admission and discharge (III)</b> <ul style="list-style-type: none"> <li>• Admission</li> <li>• Prepare Unit for new patient</li> <li>• Prepare admission bed</li> <li>• Performs admission procedure                             <ul style="list-style-type: none"> <li>▪ New patient</li> <li>▪ Transfer in</li> </ul> </li> <li>• Prepare patient records Discharge/Transfer out</li> <li>• Gives discharge counseling</li> <li>• Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers)</li> <li>• Prepare records of discharge/transfer</li> <li>• Dismantle, and disinfect unit and equipment after discharge/transfer</li> </ul> <b>Perform assessment:</b> <ul style="list-style-type: none"> <li>• History taking, Nursing diagnosis, problem list, Prioritization, Goals &amp; Expected Outcomes, selection of interventions</li> <li>• Write Nursing Care Plan</li> <li>• Gives care as per the plan</li> <li>• Communication</li> <li>• Use verbal and non-verbal communication techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Practice in Unit/ hospital</li> <li>• Write nursing process records of patient</li> <li>• Simulated -1</li> <li>• Actual - 1</li> <li>• Role-plays in simulated situations on</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluate with checklist</li> <li>• Assessment of clinical performance with rating scales</li> <li>• Completion of Practical record.</li> <li>• Assessment of nursing process records with checklist</li> <li>• Assessment of actual care given with rating scale</li> <li>• Assess role plays with the checklist on communication techniques</li> </ul>



# PSYCHOLOGY

Placement: First year

Time: Theory 60 Hours

**Course Description:** 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe the history, scope and methods of psychology.	<b>Introduction:</b> <ul style="list-style-type: none"> <li>History and origin of science of psychology</li> <li>Definitions &amp; Scope of Psychology</li> <li>Relevance to nursing</li> <li>Methods of Psychology</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> </ul>
II	4	Explain the biology of Human behaviour.	<b>Biology of behaviour</b> <ul style="list-style-type: none"> <li>Body mind relationship modulation process in health and illness</li> <li>Genetics and behaviour: Heredity and environment</li> <li>Brain and behaviour: Nervous System, Neurons and synapse,</li> <li>Association Cortex, Rt. and Lt. Hemispheres</li> <li>Psychology of Sensations</li> <li>Muscular and glandular controls of behaviour</li> <li>Nature of behaviour of an organism/Integrated responses</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> </ul>
III	20	Describe various cognitive processes and their applications	<b>Cognitive processes</b> <ul style="list-style-type: none"> <li>Attention: Types, determinants, Duration &amp; degree, alterations</li> <li>Perception: Meaning, Principles, factors affecting, Errors,</li> <li>Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits</li> <li>Memory: Meaning, Types, Nature, Factors influencing,</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Sychometric assessment:</li> <li>Practice sessions</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> </ul>



# SOCIOLOGY

**Placement:** Second Year

**Time:** Theory 60 Hours

**Course Description:** 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	State the importance of sociology in Nursing	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Definition of Sociology</li> <li>• Nature and Scope of the discipline</li> <li>• Importance and application of Sociology in Nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>
II	3	Describe the interrelationship of individual in society and community	<b>Individual &amp; Society</b> <ul style="list-style-type: none"> <li>• Society and Community</li> <li>• Nature of Society</li> <li>• Difference between Society and Community</li> <li>• Process of Socialisation and individualization</li> <li>• Personal disorganization</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>
III	3	Describe the influence of culture and on health and disease	<b>Culture</b> <ul style="list-style-type: none"> <li>• Nature of culture</li> <li>• Evolution of culture</li> <li>• Diversity and uniformity of culture</li> <li>• Culture and socialization</li> <li>• Transcultural society</li> <li>• Influence on health and disease</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Panel discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>
IV	4	Identify various social groups and their interactions	<b>Social groups and Processes</b> <ul style="list-style-type: none"> <li>• The meaning and classification of groups</li> <li>• Primary &amp; Secondary Group</li> <li>• In-group V/s. Out-group, Class, Tribe, Caste</li> <li>• Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction &amp; Social Processes</li> <li>• Co-operation, Competition, Conflict</li> <li>• Accommodation, Assimilation &amp; Isolation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>

# PHARMACOLOGY

**Placement:** Second Year

**Time:** Theory - 45 Hours

**Course Description:** This course is designed to enable students to acquire understanding of pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	<b>Introduction to pharmacology</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Sources</li> <li>• Terminology used</li> <li>• Types: Classification</li> <li>• Pharmacodynamics: Actions, therapeutic,</li> <li>• Adverse, toxic</li> <li>• Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion</li> <li>• Review: Routes and principles of administration of drugs</li> <li>• Indian pharmacopoeia: Legal issues • Rational use of drugs</li> <li>• Principles of therapeutics</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
II	6	Explain chemotherapy of specific infections and infestations and nurse's responsibilities	<b>Chemotherapy</b> <ul style="list-style-type: none"> <li>• Pharmacology of commonly used;                             <ul style="list-style-type: none"> <li>• Penicillin</li> <li>• Cephalosporins</li> <li>• Aminoglycosides</li> <li>• Macrolide &amp; Broad Spectrum Antibiotics</li> <li>• Sulfonamides</li> <li>• Quinolones</li> <li>• Antiamoebic</li> <li>• Antimalarials</li> <li>• Anthelmintics</li> <li>• Antiscabies agents</li> <li>• Antiviral &amp; anti-fungal agents</li> <li>• Antitubercular drugs</li> <li>• Antileprosy drugs</li> <li>• Anticancer drugs</li> <li>• Immuno-suppressants</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Drug study/ presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

# MEDICAL SURGICAL NURSING- I

(Adult including Geriatrics)

Placement: Second Year

Time: Theory - 210 hours

Practical - 720 hours

**Course Description:** The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
1	10	<ul style="list-style-type: none"> <li>Appreciate the trends in medical and surgical nursing.</li> <li>Describe the role of a nurse in caring for adult patient in hospital and community.</li> <li>Describe the concepts of Medical Surgical asepsis</li> </ul>	<b>Introduction:</b> <ul style="list-style-type: none"> <li>Introduction to medical surgical nursing- Evolution and trends of medical and surgical nursing</li> <li>Review of Concepts of Health and illness Disease- concepts, causations, classification- International Classification Diseases (ICD-10 or later version), Acute illness, Chronic illness &amp; Terminal illness, stages of illness.</li> <li>Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.</li> <li>Role of Nurse, patient and family in care of adult patient.</li> <li>Role and responsibilities of a nurse in medical surgical settings:                             <ul style="list-style-type: none"> <li>Outpatient department.</li> <li>In-patient unit</li> <li>Intensive care unit.</li> <li>Home and Community settings</li> </ul> </li> <li>Introduction to Medical Surgical asepsis                             <ul style="list-style-type: none"> <li>Inflammation and Infection</li> <li>Immunity</li> <li>Wound healing</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstration</li> <li>Practice session</li> <li>Supervised clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective Type</li> <li>Assessment of skills with check list</li> </ul>



# MEDICAL SURGICAL NURSING- I PRACTICAL

(Adult including Geriatrics)

Placement: Second year

Time: 720 Hours

Unit	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (*Respiratory, GI, Endocrine, Renal, Haematology)	6	<ul style="list-style-type: none"> <li>• Provide nursing care to adult patients with medical disorders.</li> <li>• Counsel and educate patients and families.</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the patient                             <ul style="list-style-type: none"> <li>▪ Taking history</li> <li>▪ Perform general and specific physical examination.</li> <li>▪ Identify alterations and deviations</li> </ul> </li> <li>• Practice medical surgical asepsis- Standard safety measures</li> <li>• Administer medications                             <ul style="list-style-type: none"> <li>▪ Oral, IV, IM, Subcutaneous</li> </ul> </li> <li>• IV therapy                             <ul style="list-style-type: none"> <li>▪ IV cannulation</li> <li>▪ Maintenance &amp; monitoring</li> </ul> </li> <li>• Oxygen therapy by different methods</li> <li>• Nebulization</li> <li>• Chest physiotherapy</li> <li>• Naso gastric feeding</li> <li>• Assist in common diagnostic</li> <li>• Perform/Assist in therapeutic procedures</li> <li>• Blood and component therapy</li> <li>• Throat Suctioning</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to 3-4 assigned patients.</li> <li>• Nursing care plan-2</li> <li>• Nursing case study/ presentation-1</li> <li>• Drug presentation-1</li> <li>• Maintain drug book</li> <li>• Maintain Practical record book.</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of case study/ presentation</li> <li>• Completion of practical record.</li> </ul>

# COMMUNITY HEALTH NURSING I- PRACTICAL

Placement: Second Year

Time: Practical - 135 hours

Area	Duration (in wks)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban & 2 wks rural	<ul style="list-style-type: none"> <li>• Build and Maintain rapport</li> <li>• Identify demographic characteristics, health determinants and community health resources.</li> <li>• Diagnose health needs of individual and families.</li> <li>• Provide primary care in health centre.</li> <li>• Counsel and educate individual, family and community.</li> </ul>	<ul style="list-style-type: none"> <li>• Use Techniques of interpersonal relationship</li> <li>• Identification of health determinants of community</li> <li>• History taking</li> <li>• Physical examination</li> <li>• Collect specimens sputum, malaria smear</li> <li>• Perform simple lab tests at centre- blood for Haemoglobin and sugar, urine for albumin and sugar</li> <li>• Administer vaccines and medications to adults</li> <li>• Counsel and teach individual, family and community                             <ul style="list-style-type: none"> <li>▪ Nutrition</li> <li>▪ Hygiene</li> <li>▪ Self health monitoring</li> <li>▪ Seeking health services</li> <li>▪ Healthy life style</li> <li>▪ Family welfare methods</li> </ul> </li> </ul> <p>Health promotion</p>	<ul style="list-style-type: none"> <li>• work with 2 assigned families each in urban and rural.</li> <li>• Family study -1</li> <li>• Observation report of community -1</li> <li>• Health talks 2 (1 in urban and in rural)</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of family study, observation report and health talk</li> <li>• Completion of activity record.</li> </ul>

  
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# COMMUNICATION & EDUCATIONAL TECHNOLOGY

Placement: Second Year

Time: Theory - 90 Hours

**Course Description:** 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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		<ul style="list-style-type: none"> <li>Describe the communication process.</li> <li>Identify techniques of effective communication.</li> </ul>	<b>Review of Communication Process</b> <ul style="list-style-type: none"> <li>Process; elements and channel</li> <li>Facilitators</li> <li>Barriers and methods of overcoming</li> <li>Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Role plays</li> <li>Exercises with audio/videotapes</li> </ul>	<ul style="list-style-type: none"> <li>Respond to critical incidents</li> <li>Short answers</li> <li>Objective type</li> </ul>
II	5		Establish effective inter-personal relations with patients, families & co-workers.	<b>Interpersonal relations</b> <ul style="list-style-type: none"> <li>Purpose &amp; types</li> <li>Phases</li> <li>Barriers &amp; methods of overcoming</li> <li>Johari Window</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Role Plays</li> <li>Exercises with audio/videotapes</li> <li>Process recording</li> </ul>	<ul style="list-style-type: none"> <li>Short Answer</li> <li>Objective type</li> </ul>
III	5		Develop effective human relations in context of nursing.	<b>Human relations</b> <ul style="list-style-type: none"> <li>Understanding self</li> <li>Social behaviour, motivation, social attitudes</li> <li>Individual and groups</li> <li>Groups &amp; individual</li> <li>Human relations in context of nursing</li> <li>Group dynamics</li> <li>Team work</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Sociometry</li> <li>Group games</li> <li>Psychometric exercises followed by discussion</li> </ul>	<ul style="list-style-type: none"> <li>Short Answer</li> <li>Objective type</li> <li>Respond to test based on critical incidents</li> </ul>
IV	10	5	Develop basic skill of counselling and guidance.	<b>Guidance &amp; counselling</b> <ul style="list-style-type: none"> <li>Definition</li> <li>Purpose, scope and need</li> <li>Basic principles</li> <li>Organization of counselling services</li> <li>Types of counselling</li> <li>Approaches</li> <li>Role and preparation of counselor</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Role play on counselling in different situations followed by discussion.</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> <li>Assess performance in role play situations</li> </ul>



# MEDICAL SURGICAL NURSING- II

(Adult including Geriatrics) Practical

Placement: Third Year

Time: Practical - 270 hours  
Internship- 430 hours

Areas	Duration (in wks)	Objectives	Skills	Assignments	Assessment methods
ENT	1	<ul style="list-style-type: none"> <li>• Provide care to patients with ENT disorders.</li> <li>• Counsel and educate patient and families.</li> </ul>	<ul style="list-style-type: none"> <li>• Perform examination of ear, nose and throat</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Instillation of drops</li> <li>• Perform/assist with irrigations.</li> <li>• Apply ear bandage</li> <li>• Perform tracheostomy care</li> <li>• Teach patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan - 1</li> <li>• Observation reports of OPD</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report of OPD</li> <li>• Completion of activity record</li> </ul>
Ophthalmology	1	<ul style="list-style-type: none"> <li>• Provide care to patients with Eye disorders</li> <li>• Counsel &amp; Educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Perform examination of eye</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Perform/assist with irrigations.</li> <li>• Apply eye bandage</li> <li>• Apply eye drops/ ointments</li> <li>• Assist with foreign body removal.</li> <li>• Teach patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients</li> <li>• Nursing care plan - 1</li> <li>• Observation reports of OPD &amp; Eye bank</li> <li>• Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of observation report of OPD/ Eye bank</li> <li>• Completion of activity record</li> </ul>
Neurology	2	<ul style="list-style-type: none"> <li>• Provide care to patients with neurological disorders.</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>• Perform Neurological Examination</li> <li>• Use Glasgow coma scale</li> <li>• Assist with diagnostic procedures</li> <li>• Assist with therapeutic procedures</li> <li>• Teach patients &amp; families</li> <li>• Participate in rehabilitation program</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to assigned 2- 3 patients with neurological disorders.</li> <li>• Case study/ Case presentation-1</li> <li>• Maintains drug book</li> <li>• Health Teaching-1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>• Assess performance with rating scale</li> <li>• Evaluation of case study &amp; health teaching</li> <li>• Completion of activity record</li> </ul>

# CHILD HEALTH NURSING

Placement: Third Year


Time: Theory - 90 Hours

Practical - 270 Hours

Internship- 145 hours

**Course Description:** This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
1	15	<ul style="list-style-type: none"> <li>Explain the modern concept of child care &amp; principles of child health nursing</li> <li>Describe national policy, programs and legislation in relation to child health and welfare.</li> <li>List major causes of death during infancy, early &amp; late childhood</li> <li>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.</li> <li>Describe the principles of child health nursing</li> </ul>	<b>Introduction Modern concepts of childcare</b> <ul style="list-style-type: none"> <li>Internationally accepted rights of the Child</li> <li>National policy and legislations in relation to child health and welfare</li> <li>National programmes related to child health and welfare</li> <li>Agencies related to welfare services to the children</li> <li>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</li> <li>Child morbidity and mortality rates.</li> <li>Differences between an adult and child</li> <li>Hospital environment for a sick child</li> <li>Impact of hospitalisation on the child and family.</li> <li>Grief and bereavement</li> <li>The role of a Child health nurse in caring for a hospitalised child</li> <li>Principles of pre and post-operative care of infants and children</li> <li>Child health nursing procedures.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration of common paediatric procedures</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> </ul>

  
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# MENTAL HEALTH NURSING- PRACTICAL

Placement: Third Year

Time: Practical – 270 hours (9 weeks)  
Fourth year Internship- 95 hours (2 weeks)

Areas	Duration (in wks)	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD	1	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>Observe and assist in therapies</li> <li>Counsel and educate patient, and families</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination (MSE)</li> <li>Assist in Psychometric assessment</li> <li>Perform Neurological examination</li> <li>Observe and assist in therapies</li> <li>Teach patients and family members</li> </ul>	<ul style="list-style-type: none"> <li>History taking &amp; Mental status examination- 2</li> <li>Health education- 1</li> <li>Observation report of OPD</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of health education</li> <li>Assessment of observation report</li> <li>Completion of activity record.</li> </ul>
Child Guidance clinic	1	<ul style="list-style-type: none"> <li>Assessment of children with various mental health problems</li> <li>Counsel and educate children, families and significant others</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Assist in psychometric assessment</li> <li>Observe and assist in various therapies</li> <li>Teach family and significant others</li> </ul>	<ul style="list-style-type: none"> <li>Case work-1</li> <li>Observation report of different therapies-1</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of the observation report</li> </ul>
Inpatient ward	6	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>To provide nursing care for patients with various mental health problems</li> <li>Assist in various therapies</li> <li>Counsel and educate patients, families and significant others</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination (MSE)</li> <li>Perform Neurological examination</li> <li>Assist in Psychometric assessment</li> <li>Record therapeutic communication</li> <li>Administer medications</li> <li>Assist in Electroconvulsive Therapy (ECT)</li> <li>Participate in all therapies</li> <li>Prepare patients for Activities of Daily living (ADL)</li> </ul>	<ul style="list-style-type: none"> <li>Give care to 2-3 patients with various mental disorders</li> <li>Case study- 1</li> <li>Care plan --2</li> <li>Clinical presentation 1</li> <li>Process recording 2</li> <li>Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Evaluation of the case study, care plan, clinical presentation, process recording</li> <li>Completion of activity record.</li> </ul>



# MIDWIFERY AND OBSTETRICAL NURSING

Placement: Third Year

Time: Theory - 45 Hours

Practical - 180 Hours

**Course Description:** 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> <li>Recognise the trends and issues in midwifery &amp; obstetrical nursing</li> </ul>	<b>Introduction to midwifery and Obstetrical Nursing</b> <ul style="list-style-type: none"> <li>Introduction to concepts of midwifery &amp; obstetrical Nursing</li> <li>Trends in midwifery and obstetrical nursing                             <ul style="list-style-type: none"> <li>Historical perspectives and current trends</li> <li>Legal and ethical aspects</li> <li>Pre-conception care and preparing for parenthood</li> <li>Role of nurse in midwifery &amp; obstetrical care.</li> <li>National policy and legislation in relation to maternal health and welfare.</li> <li>Maternal, morbidity, mortality and fertility rates</li> <li>Perinatal, morbidity and mortality rates</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Explain using Charts and graphs</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>
II	8	<ul style="list-style-type: none"> <li>Describe the anatomy and physiology of female reproductive system</li> </ul>	<b>Review of anatomy and physiology of female reproductive system and foetal development</b> <ul style="list-style-type: none"> <li>Female pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, and variations in pelvis shape.</li> <li>Female organs of reproduction – external genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Review with Charts and models</li> </ul>	<ul style="list-style-type: none"> <li>Short answers</li> <li>Objective type</li> </ul>


# NURSING RESEARCH AND STATISTICS

**Placement:** Third Year

**Time:** Theory - 45 Hours  
Internship Practical- 45 Hours

**Course Description:** The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> <li>Describe the concept of research, terms, need and areas of research in nursing.</li> <li>Explain the steps of research process</li> </ul>	<b>Research and research process:</b> <ul style="list-style-type: none"> <li>Introduction and need for nursing research</li> <li>Definition of Research &amp; nursing research</li> <li>Steps of scientific method</li> <li>Characteristics of good research</li> <li>Steps of Research process-overview</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Narrate steps of research process followed from examples of published studies</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
II	3	Identify and state the research problem and objectives	<b>Research Problem/ Question</b> <ul style="list-style-type: none"> <li>Identification of problem area</li> <li>Problem statement</li> <li>Criteria of a good research problem.</li> <li>Writing objectives</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Exercise on writing statement of problem and objectives</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>
III	3	Review the related literature	<b>Review of Literature</b> <ul style="list-style-type: none"> <li>Location</li> <li>Sources</li> <li>On line search; CINHAI, COCHRANE etc.</li> <li>Purposes</li> <li>Method of review</li> </ul>	<ul style="list-style-type: none"> <li>Lecture Discussion</li> <li>Exercise on reviewing one research report/ article for a selected research problem.</li> <li>Prepare annotated bibliography</li> </ul>	<ul style="list-style-type: none"> <li>Short answer</li> <li>Objective type</li> </ul>

  
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## MIDWIFERY AND OBSTETRICAL NURSING

**Placement:** Fourth Year

**Time:** Theory - 45 Hours  
Practical - 180 Hours

**Course Description:** 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.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> <li>Describe the Identification &amp; management of women with high risk pregnancy</li> </ul>	<b>High-risk pregnancy – assessment &amp; management</b> <ul style="list-style-type: none"> <li>Screening and assessment                             <ul style="list-style-type: none"> <li>Ultrasonic, cardiotomography, NST, CST, non-invasive &amp; invasive,</li> <li>Newer modalities of diagnosis</li> </ul> </li> <li>High-risk approach</li> <li>Levels of care; primary, secondary &amp; tertiary levels</li> <li>Disorders of pregnancy                             <ul style="list-style-type: none"> <li>Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic</li> <li>Pregnancy, vesicular mole,</li> <li>Ante-partum haemorrhage.</li> </ul> </li> <li>Uterine abnormality and displacement.</li> <li>Diseases complicating pregnancy                             <ul style="list-style-type: none"> <li>Medical and surgical conditions</li> <li>Infections, RTI (STD), UTI, HIV, TORCH</li> <li>Gynaecological diseases complicating pregnancy</li> <li>Pregnancy induced hypertension &amp; diabetes, toxemia of pregnancy, hydramnios,</li> <li>Rh incompatibility</li> <li>Mental disorders</li> </ul> </li> <li>Adolescent pregnancy, Elderly primi and grand multipara</li> <li>Multiple pregnancy</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Demonstrate using video films, scan reports, partograph etc.</li> <li>Case discussion/ presentation</li> <li>Health talk</li> <li>Practice Session</li> <li>Supervised Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>Assessment of patient management problems</li> </ul>



## COMMUNITY HEALTH NURSING- II PRACTICAL

**Placement:** Fourth year

**Time:** Practical- 135 hours

Internship- 195 hours

Areas	Duration (in wks)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	1 week for urban 4 week for rural	<ul style="list-style-type: none"> <li>Identify community profile</li> <li>Identify prevalent communicable and non-communicable diseases</li> <li>Diagnose health needs of Individual, families and community</li> <li>Plan, provide &amp; evaluate care</li> <li>Participate in school health program</li> <li>Participate in national health programs</li> <li>Organize group for self-help &amp; involve clients in their own health activities</li> <li>Provide family welfare services</li> <li>Counsel and educate individual, family and community</li> <li>Collect Vital health statistics</li> </ul>	<ul style="list-style-type: none"> <li>Community health survey</li> <li>Community diagnosis</li> <li>Family care: Home adaptation of common procedures</li> <li>Home visit: Bag technique</li> <li>Organize and conduct clinics- antenatal, postnatal, well baby clinic, camps etc.</li> <li>Screen manage and referrals for:                             <ul style="list-style-type: none"> <li>High risk mothers and neonates</li> <li>Accidents and emergencies</li> <li>Illnesses: Physical and mental</li> <li>Disabilities</li> </ul> </li> <li>Conduct delivery at centre/home: episiotomy and suturing</li> <li>Resuscitate new born</li> <li>School Health programme                             <ul style="list-style-type: none"> <li>Screen, manage, refer children</li> </ul> </li> <li>Collaborate with health and allied agencies</li> <li>Train and Supervise health workers</li> <li>Provide family welfare services: insertion of IUD</li> <li>Counsel and teach individual, family &amp; community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health,</li> </ul>	<ul style="list-style-type: none"> <li>Community survey report-1</li> <li>Family care study- 1</li> <li>Project-1</li> <li>Health talk-1</li> <li>Case book recording</li> </ul>	<ul style="list-style-type: none"> <li>Assess clinical performance with rating scale</li> <li>Evaluation of community survey report, family care study, project and health talk</li> <li>Completion of activity record.</li> <li>Completion of case book recording</li> </ul>

# MANAGEMENT OF NURSING SERVICES & EDUCATION

**Placement:** Fourth year

**Time:** Theory - 90 hrs

**Course Description:** 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.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	4		Explain the principles and functions of management.	<b>Introduction to management in nursing</b> <ul style="list-style-type: none"> <li>• Definition, concepts and theories</li> <li>• Functions of management</li> <li>• Principles of Management</li> <li>• Role of Nurse as a manager</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using organization chart</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> </ul>
II	5		Describe the elements and process of management	<b>Management process</b> <ul style="list-style-type: none"> <li>• Planning: mission, philosophy, objectives, operational plan</li> <li>• Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling</li> <li>• Human resource management: recruiting, selecting, deployment, retaining, promoting, superannuation etc.</li> <li>• Budgeting: concept, principles, types, cost benefit analysis, audit</li> <li>• Material management: equipment and supplies</li> <li>• Directing process (Leading)</li> <li>• Controlling: Quality management</li> <li>• Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt chart).</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Simulated Exercises</li> <li>• Case studies</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>