



Committed to developing "Conscientious, Confident & Caring quality nursing professionals"
MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S

Smt. Bakul Tambat Institute of Nursing Education

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Criterion II- Teaching Learning and Evaluation

2.6.1 The learning outcomes and graduate attributes as per the provision of the Regulatory bodies & the university, which are communicated to the students & teachers through website.

**Document pertaining to learning outcomes and graduate
2024-2025**



PROGRAM OUTCOME

PO No.	POs	Description
PO 1	Nursing Knowledge	Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing care to individuals, families and communities.
PO 2	Nurse and the community	Demonstrate understanding of lifestyle and other factors, which affect health of individuals and groups.
PO 3	Care giver	Provide nursing care based on steps of nursing process in collaboration with the individuals and groups.
PO 4	Problem analysis/ Decision making	PO4. Demonstrate critical thinking skill in making decisions in all situations to provide quality care.
PO 5	Technology update	Utilize the latest trends and technology in providing health care.
PO 6	Nurse and the health care system	Provide promotive, preventive and restorative health services in line with the national health policies and programmes.
PO 7	Nurse and the profession	Practice within the framework of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries.
PO 8	Communication	Communicate effectively with individuals and groups and members of the health team to promote effective interpersonal relationships and teamwork.
PO 9	Information Education and Counselling	Demonstrate skills in teaching to individuals and groups in clinical / community health settings.
PO 10	Nurse as a collaborative care giver	Participate effectively as members of the health team in health care delivery system.
PO11.	Nursing administration and management	Demonstrate leadership and managerial skills in clinical / community health settings.
PO12.	Nursing research	Conduct needs-based research studies in various settings and utilize the research findings to improve the quality of care.



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PO13.	Life-long learning	Demonstrate awareness, interest and contribute towards advancement of self and of the profession.
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Program Specific Outcomes

Sr. No.	PSLO No.	Description
1.	PSO 1	Produce knowledgeable competent nurses and midwives with clear critical thinking skills who are caring, motivated, assertive and well-disciplined responding to the changing needs of profession, healthcare delivery system and society.
2.	PSLO 2	Prepare them to assume responsibilities as professional, competent nurses and midwives in providing promotive, preventive, curative and rehabilitative healthcare services in any healthcare setting.
3.	PSLO3	Prepare nurses and midwives who can make independent decisions in nursing situations within the scope of practice, protect the rights of individuals and groups and conduct research in the areas of nursing practice and apply evidence-based practice.
4.	PSLO4	Prepare them to assume role of practitioner, teacher, supervisor and manager in all healthcare settings




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COURSE OUTCOME

Semester I-IV B.Sc. Nursing 2023-2024

Sr. No.	Course name with code	CO No.	Course Outcome
SEMESTER -I B.Sc. NURSING			
1.	Communicative English ENGL 101	CO1	Identify the significance of Communicative English for healthcare professionals.
		CO2	Apply the concepts and principles of English Language use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, Spelling, pause and silence.
		CO3	Demonstrate attentive listening in different hypothetical situations.
		CO4	Converse effectively, appropriately and timely within the given context and the individual or team they are communicating with either face to face or by other means.
		CO5	Read, interpret and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes etc.
		CO6	Analyze the situation and apply critical thinking strategies.
		CO7	Enhance expressions through writing skills.
		CO8	Apply LSRW (Listening, Speaking, Reading and Writing) Skill in combination to learn, teach, educate and share information, ideas and results.
2.	Applied Anatomy ANAT 105	CO1	Describe anatomical terms.
		CO2	Explain the general and microscopic structure of each system of the body.
		CO3	Identify relative positions of the major body organs as well as their general anatomic locations.
		CO4	Explore the effect of alterations in structure.
		CO5	Apply knowledge of anatomic structures to analyze clinical situations and therapeutic applications
3.	Applied	CO1	Develop understanding of the normal functioning of various organ



	Physiology PHYS 110		systems of the body.
		CO2	Identify the relative contribution of each organ system towards maintenance of homeostasis.
		CO3	Describe the effect of alterations in functions.
		CO4	Apply knowledge of physiological basis to analyze clinical situations and therapeutic applications
4.	Applied Sociology SOCI 115	CO1	Identify the scope and significance of sociology in nursing.
		CO2	Apply the knowledge of social structure and different culture in a society in identifying social needs of sick clients.
		CO3	Identify the impact of culture on health and illness.
		CO4	Develop understanding about types of family, marriage and its legislation.
		CO5	Identify different types of caste, class, social change and its influence on health and health practices.
		CO6	Develop understanding about social organization and disorganization and social problems in India.
		CO7	Integrate the knowledge of clinical sociology and its uses in crisis intervention.
5.	Applied Psychology PSYC 120	CO1	Identify the importance of psychology in individual and professional life.
		CO2	Develop understanding of the biological and psychological basis of human behaviour.
		CO3	Identify the role of nurse in promoting mental health and dealing with altered personality.
		CO4	Perform the role of nurses applicable to the psychology of different age groups.
		CO5	Identify the cognitive and affective needs of clients.
		CO6	Integrate the principles of motivation and emotion in performing the role of nurse in caring for emotionally sick client.
		CO7	Demonstrate basic understanding of psychological assessment and nurse



		CO8	's role.
		CO9	Apply the knowledge of soft skills in workplace and society.
		CO9	Apply the knowledge of self-empowerment in workplace, society and personal life.
6.	Nursing Foundation I including First Aid module N-NF (I) 125	CO1	Develop understanding about the concept of health, illness and scope of nursing within health care services.
		CO2	Apply values, code of ethics and professional conduct in professional life.
		CO3	Apply the principles and methods of effective communication in establishing communication links with patients, families and other health team members.
		CO4	Develop skill in recording and reporting.
		CO5	Demonstrate competency in monitoring and documenting vital signs.
		CO6	Describe the fundamental principles and techniques of infection control and biomedical waste management.
		CO7	Identify and meet the comfort needs of the patients.
		CO8	Perform admission, transfer, and discharge of a patient under supervision applying the knowledge.
		CO9	Demonstrate understanding and application of knowledge in caring for patients with restricted mobility.
		CO10	Perform first aid measures during emergencies.
		CO11	Identify the educational needs of patients and demonstrate basic skills of patient education

Sr. No.	Course Name with code	CO No.	Course Outcome
SEMESTER -II BSC NURSING			
1.	Applied Biochemistry BIOC 135	CO1	Describe the metabolism of carbohydrates and its alterations.
		CO2	Explain the metabolism of lipids and its alterations.



		<p>CO3 Explain the metabolism of proteins and amino acids and its alterations.</p> <p>CO4 Explain clinical enzymology in various disease conditions.</p> <p>CO5 Explain acid base balance, imbalance and its clinical significance.</p> <p>CO6 Describe the metabolism of hemoglobin and its clinical significance.</p> <p>CO7 Explain different function tests and interpret the findings.</p> <p>CO8 Illustrate the immunochemistry</p>
2.	<p>Applied Nutrition and Dietetics NUTR 140</p>	<p>CO1 Identify the importance of nutrition in health and wellness.</p> <p>CO2 Apply nutrient and dietary modifications in caring patients.</p> <p>CO3 Explain the principles and practices of Nutrition and Dietetics.</p> <p>CO4 Identify nutritional needs of different age groups and plan a balanced diet for them.</p> <p>CO5 Identify the dietary principles for different diseases.</p> <p>CO6 Plan therapeutic diet for patients suffering from various disease conditions.</p> <p>CO7 Prepare meals using different methods and cookery rules.</p>
3.	<p>Nursing Foundation - II (including Health Assessment Module) N-NF (II) 125</p>	<p>CO1 Develop understanding about fundamentals of health assessment and perform health assessment in supervised clinical</p> <p>CO2 Demonstrate fundamental skills of assessment, planning, implementation and evaluation of nursing care using Nursing process approach in supervised clinical settings</p> <p>CO3 Assess the Nutritional needs of patients and provide relevant care under supervision.</p> <p>CO4 Identify and meet the hygienic needs of patients</p> <p>CO5 Identify and meet the elimination needs of patient</p> <p>CO6 Interpret findings of specimen testing applying the knowledge of normal values</p>



		CO7	Promote oxygenation based on identified oxygenation needs of patients under supervision
		CO8	Review the concept of fluid, electrolyte balance integrating the knowledge of applied physiology
		CO9	Apply the knowledge of the principles, routes, effects of administration of medications in administering medication
		CO10	Calculate conversions of drugs and dosages within and between systems of measurements
		CO11	Demonstrate knowledge and understanding in caring for patients with altered functioning of sense organs and unconsciousness
		CO12	Explain loss, death and grief
		CO13	Describe sexual development and sexuality
		CO14	Identify stressors and stress adaptation modes
		CO15	Integrate the knowledge of culture and cultural differences in meeting the spiritual needs
		CO16	Explain the introductory concepts relevant to models of health and illness in patient care
4.	Health/Nursing Informatics and Technology HNIT 145	CO1	Develop a basic understanding of computer application in patient care and nursing practice.
		CO2	Apply the knowledge of computer and information technology in patient care and nursing education, practice, administration and research
		CO3	Describe the principles of health informatics and its use in developing efficient healthcare.
		CO4	Demonstrate the use of information system in healthcare for patient care and utilization of nursing data.
		CO5	Demonstrate the knowledge of using Electronic Health Records (EHR) system in clinical practice.
		CO6	Apply the knowledge of interoperability standards in clinical setting.
		CO7	Apply the knowledge of information and communication technology in



			public health promotion.
		CO8	Utilize the functionalities of Nursing Information System (NIS) system in nursing.
		CO9	Demonstrate the skills of using data in management of health care.
		CO10	Apply the knowledge of the principles of digital ethical and legal issues in clinical practice.
		CO11	Utilize evidence-based practices in informatics and technology for providing quality patient care.
		CO12	Update and utilize evidence-based practices in nursing education, administration, and practice

Sr. No.	Course Name with code	CO No.	Course Outcome
SEMESTER -III B.Sc. NURSING			
1.	Applied Microbiology MICR 201	CO1	Identify the equity and diversity of microorganisms in the human body and the environment.
		CO2	Classify and explain the morphology and growth of microbes.
		CO3	Identify various types of microorganisms.
		CO4	Explore mechanisms by which microorganism may cause disease.
		CO5	Develop understanding of how the human immune system counteracts infection by specific and non-specific mechanisms.
		CO6	Apply the principles of preparation and use of vaccines in immunization.
		CO7	Identify the contribution of the microbiologist and the microbiology laboratory to the diagnosis of infection.



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2.	Infection Control & Safety ICS 202	CO1	Develop knowledge and understanding of Hospital acquired Infections (HAI) and effective practices for prevention.
		CO2	Integrate the knowledge of isolation (Barrier and reverse barrier) techniques in implementing various precautions.
		CO3	Demonstrate and practice steps in Hand washing and appropriate use of different types of PPE.



		<p>CO4 Illustrate various disinfection and sterilization methods and techniques.</p> <p>CO5 Demonstrate knowledge and skill in specimen collection, handling and transport to optimize the diagnosis for treatment.</p> <p>CO6 Incorporate the principles and guidelines of Bio Medical waste management.</p> <p>CO7 Apply the principles of Antibiotic stewardship in performing the nurses 'role.</p> <p>CO8 Identify patient safety indicators and perform the role of nurse in the patient safety audit process.</p> <p>CO9 Apply the knowledge of International Patient Safety Goals (IPSG) in patient care settings.</p> <p>CO10 Identify employee safety indicators and risk of occupational hazards.</p> <p>CO11 Develop understanding of the various safety protocols and adhere to those protocols.</p>
3.	Pharmacology- I PHAR (I) 205	<p>CO1 Describe pharmacodynamics and pharmacokinetics.</p> <p>CO2 Review the principles of drug calculation and administration.</p> <p>CO3 Explain the commonly used antiseptics and disinfectants.</p> <p>CO4 Describe the pharmacology of drugs acting on the GI system.</p> <p>CO5 Describe the pharmacology of drugs acting on the respiratory system.</p> <p>CO6 Describe drugs used in the treatment of cardiovascular and blood disorders.</p> <p>CO7 Explain the drugs used in the treatment of endocrine system disorders.</p> <p>CO8 Describe the drugs acting on skin and drugs used to treat communicable diseases.</p>



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4.	Pathology-I PHTH (I) 210	CO1	Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology.
		CO2	Rationalize the various laboratory investigations in diagnosing pathological disorders.
		CO3	Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine and feces for various tests.
		CO4	Apply the knowledge of genetics in understanding the various pathological



		C05	disorders. Appreciate the various manifestations in patients with diagnosed genetic abnormalities.
		C06	Rationalize the specific diagnostic tests in the detection of genetic abnormalities.
		C07	Demonstrate the understanding of various services related to genetics.
5.	Adult health nursing-I with integrated pathophysiology(includingBC LSmodule) N-AHN (10 215)	CO1	Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of common medical and surgical disorders.
		CO2	Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of anatomy, physiology and diagnostic tests in the process of data collection.
		CO3	Identify nursing diagnoses, list them according to priority and formulate nursing care plan.
		CO4	Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
		CO5	Integrate knowledge of pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
		CO6	Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
		CO7	Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
		CO8	Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
		CO9	Identify the drugs used in treating patients with medical surgical conditions.
		CO10	Plan and give relevant individual and group education on significant medical surgical topics.
		CO11	Maintain safe environment for patients and the health care personnel in the hospital.
		CO12	Integrate evidence-based information while giving nursing care to



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Sr. No.	Course Name with code	CO No.	Course Outcome
SEMESTER -IV B.Sc. NURSING			
1.	Pharmacology-II including Fundamentals of prescribing module PHAR (II) 205	CO1	Explain the drugs used in the treatment of ear, nose, throat and eye disorders.
		CO2	Explain the drugs used in the treatment of urinary system
		CO3	disorders. Describe the drugs used in the treatment of nervous system disorders.
		CO4	Explain the drugs used for hormonal replacement and for the pregnant women during antenatal, intra natal and postnatal period.
		CO5	Explain the drugs used to treat emergency conditions and immune disorders.
		CO6	Discuss the role and responsibilities of nurses towards safe administration of drugs used to treat disorders of various systems with basic understanding of pharmacology.
		CO7	Demonstrate understanding about the drugs used in alternative system of medicine.
		CO8	Demonstrate understanding about the fundamental principles of prescribing
2.	Pathology-II and Genetics PATH (II) 210	CO1	Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology.
		CO2	Rationalize the various laboratory investigations in diagnosing pathological disorders.
		CO3	Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine and feces for various tests.
		CO4	Apply the knowledge of genetics in understanding the various pathological disorders
		CO5	Appreciate the various manifestations in patients with diagnosed genetic abnormalities
		CO6	Rationalize the specific diagnostic tests in the detection of genetic abnormalities.
		CO7	Demonstrate the understanding of various services related to genetics.



<p>3. Adult Health Nursing-II With Integrated Pathophysiology including Geriatric Nursing & Palliative Care Module N-AHN(II) 225</p>		<p>CO1</p> <p>CO2</p> <p>CO3</p> <p>CO4</p> <p>CO5</p> <p>CO6</p> <p>CO7</p> <p>CO8</p> <p>CO9</p> <p>CO10</p> <p>CO11</p>	<p>Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of selected common medical and surgical disorders.</p> <p>Perform complete health assessment to establish a database for providing quality patient care and integrate the knowledge of diagnostic tests in the process of data collection.</p> <p>Identify diagnoses, list them according to priority and formulate nursing care plan.</p> <p>Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.</p> <p>Integrate knowledge of anatomy, physiology, pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.</p> <p>Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.</p> <p>Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.</p> <p>Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.</p> <p>Identify the drugs used in treating patients with selected medical surgical conditions.</p> <p>Plan and provide relevant individual and group education on significant medical surgical topics.</p> <p>Maintain safe environment for patients and the health care personnel in the hospital.</p>
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4.	Professionalism , Professional values & Ethics including bioethics PROF230	CO1	Describe profession and
		CO2	professionalism. Identify the
		CO3	challenges of professionalism.
		CO4	Maintain respectful communication and relationship with other health team members, patients and society.
		CO5	Demonstrate professional conduct.
		CO6	Describe various regulatory bodies and professional organizations related to nursing.
			Discuss the importance of professional values in patient care.



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		CO7	Explain the professional values and demonstrate appropriate professional values in nursing practice.
		CO8	Demonstrate and reflect on the role and responsibilities in providing compassionate care in the health care setting.
		CO9	Demonstrate respect, human dignity and privacy and confidentiality to self, patients and their care givers and other health team members.
		CO10	Advocate for patients 'wellbeing, professional growth and advancing the profession.
		CO11	Identify ethical and bioethical concerns, issues and dilemmas in nursing and health care.
		CO12	Apply knowledge of ethics and bioethics in ethical decision making along with health team members.
		CO13	Protect and respect patient 's rights




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COURSE OUTCOME
B.Sc. Nursing Program 2023-2024

Sr. No.	Course Name	CO No.	Course Outcome
4th year B.Sc. Nursing			
1.	Management of Nursing Service & Education	CO1	Understand the principles and functions of management
		CO2	Understand the elements and process of management
		CO3	Appreciate the management of nursing services in the hospital and community.
		CO4	Apply the concepts, theories and techniques of organizational behaviour and human relations.
		CO5	Develop skills in planning and organizing in service education
		CO6	Understand the management of nursing educational institutions.
		CO7	Describe the ethical and legal responsibilities of a professional nurse
		CO8	Understand the various opportunities for professional advancement.
2.	Midwifery and Obstetrical Nursing	CO1	Describe the normal pregnancy, labor and puerperium and demonstrate the application of knowledge and skill in giving need –based care.
		CO2	Demonstrate safe management of all stages of labor.
		CO3	Identify the high-risk factor during pregnancy, labor and puerperium as well as neonates and take appropriate
		CO4	interventions.
		CO5	Motivate the mother for care of the baby and adapting family planning methods to maintain small family norms.
			Prepare the mothers for self-care during the pregnancy, labor and puerperium.
3.	Community Health Nursing- II	CO1	Understand the concepts, scope, principles and historical development of community health and community health nursing.
		CO2	Appreciate the national health planning, police, and problems.
		CO3	Describe the system of delivery of community health services in rural and urban areas.
		CO4	Develop understanding about community health nursing approaches, concepts and roles and responsibilities of nursing personnel.
		CO5	



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		C06	Participate in assisting individuals and groups to promote and maintain their health.
		C07	Appreciate the national health and family welfare program and the role of the nurse
			Understand the health agencies at the international and national level




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COURSE OUTCOME
P.B.B.Sc. Nursing Program 2023-2024

Sr. No.	Course Name	CO No.	Course Outcome
First year P.B.B.Sc. NURSING			
1.	English	CO1 CO2 CO3	Ability to speak and write grammatically correct English Effective skill in reading and understanding the English language. Skill in reporting.
2.	Microbiology	CO1 CO2 CO3 CO4 CO5	Identify common disease-causing organisms Basic principles of Microbiology & its significance in health & disease Handling of infective specimens Various methods of sterilization & disinfection Role of nurse in hospital infection control system.
3.	Nutrition and Dietetics	CO1 CO2 CO3 CO4	Explain the principles and practices of nutrition and dietetics. Plan therapeutic diets in different settings Identify nutritional needs of different age groups and plan diet accordingly. Prepare meals using different methods utilizing cookery rules.
4.	Biochemistry	CO1 CO2 CO3 CO4 CO5	Identify the basic principles of Biochemistry Understand and grasp the basic outline of chemistry and properties of important biomolecules like glucose, urea, etc. Summarize the working of enzymes and their importance as diagnostic tools for the clinician. Describe the mechanisms involved in maintenance of body fluids along with electrolytes. Be able to understand the concepts of laboratory medicine, which involves learning about physiological levels of important biomolecules and the underlying cause of change in these levels in disease states.
5.	Biophysics	CO1	Understand the application of physics principles while providing nursing care to the patients.



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6.	Psychology	CO1	Understanding herself and others
		CO2	Analyzing her own thought and behavior patterns



		<p>C03 Using psychological principles to improve her efficiency in</p> <p>C04 nursing care Applying psychological principles while performing</p> <p>C05 nursing duties Distinguishing psychological processes during</p> <p>C06 health and sickness Planning nursing care with regards to</p> <p>C07 psychological needs and concerns</p> <p>Participating in psychological assessment of patients</p>
7.	Nursing Foundation	<p>C01 Identify professional aspects of nursing</p> <p>C02 Explain theories of nursing</p> <p>C03 Identify ethical aspects of nursing</p> <p>C04 profession Utilize steps of nursing</p> <p>C05 process</p> <p>C06 Identify the role of the nurse in various levels of health services</p> <p>C07 Appreciate the significance or quality assurance in nursing.</p> <p>Explain current trends in health and nursing.</p>
8.	Medical Surgical Nursing	<p>C01 Explain relevant Anatomy & Physiology of various systems of the body.</p> <p>C02 Explain etiology, pathophysiology & manifestations of various disorders.</p> <p>C03 Explain the actions, side-effects & nursing implications in administering drugs for various disorders.</p> <p>C04 Discuss the recent advancement in the investigations, treatment & care of patients with Medical Surgical conditions.</p> <p>C05 Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.</p> <p>C06 Assist the patients & their families in identifying & meeting their own health needs.</p> <p>C07 Provide planned & incidental health education on various aspects related to disorder & relevant care.</p> <p>C08 Appreciate the role of the nurse in the Medical Surgical health team.</p>



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9.	Maternal Nursing	CO1	Describe the physiology of pregnancy, labor, and puerperium. Manage normal pregnancy, labor and puerperium.
		CO2	Explain the physiology of lactation, and advice on management of breastfeeding.



		CO3 CO4 CO5 CO6 CO7	Provide pre- and post-operative nursing care in obstetric conditions. Identify and manage high risk pregnancy including appropriate referrals. Propagate the concept and motivate acceptance of family planning methods. Teach, guide and supervise auxiliary midwifery personnel. Explain the modern concept of childcare and the principles of child healthnursing.
10.	Child Health Nursing	CO1 CO2 CO3 CO4 CO5	Explain the modern concept of childcare and the principles of child healthnursing. Describe the normal growth and development of children in various age groups. Explain the physiological response of the body to disease conditions in children. Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions. Identify the various preventive, promotive and rehabilitative aspects of childcare and apply them in providing nursing care to children in the hospital and in the community.

COURSE OUTCOME
P.B.B.Sc. Nursing Program 2023-2024

Sr. No.	Course Name	CO No.	Course Outcome
Second year P.B.B.Sc. Nursing			
1.	Sociology	CO1 CO2 CO3	Skill in reporting describes sociological concepts applicable to nursing. Determine role of sociology in nursing as related to social institutes in India. Develop positive attitudes towards individual family and community.



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2.	Community Health Nursing	CO1	Explain the concept of various factors contributing to the health of individual family and community.
		CO2	Explain and analyze health needs of individual family and community based on factors contributing to health and illness.



		CO3	Describe national health care delivery system.
		CO4	Describes epidemiological methods and principles of prevention and control of illness in the community.
		CO5	Study implementation of national programmes and role of CHN in prevention and control of diseases.
		CO6	Identify the role of personnel working in the community health setup and appreciate the integrated approach to community health.
		CO7	Plan the work of community health nurse and supervise the health workers.
		CO8	Study concept of public health administration and role of nurse as manager and supervisor.
3.	Mental Health Nursing	CO1	Identify and describe the philosophy and principles of mental health nursing.
		CO2	Describe the historical development of mental health and psychiatric nursing.
		CO3	Classify mental disorders.
		CO4	Develop skills in history taking and performing mental status examinations in history.
		CO5	Describe etiological factors, psychopathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
		CO6	Manage patients with various mental disorders.
		CO7	Communicate therapeutically with patients and their families.
		CO8	Identify role of the nurse in preventive psychiatry.
		CO9	Identify the legal aspects in practice of mental health and psychiatric nursing.
4.	Introduction to Nursing Education	CO1	Describe the philosophy and principles of education.
		CO2	Describe the process of nursing curriculum development.
		CO3	Explain the teaching learning process.
		CO4	Develop the ability to teach, using various methods and media.
		CO5	Describe the process of assessment
		CO6	Describe the administrative aspects of school of nursing, College of



			Nursing
		CO7	Develop basic skills in counseling and guidance
		CO8	Participate in planning and organizing an in-service education program.
5.	Introduction to Nursing service administration	CO1	Identify the Principles of administration.
		CO2	Describe the Principles and techniques of supervision.
		CO3	Explain the Principles and Methods of personnel management.
		CO4	Explain the principles of Budgeting.
		CO5	Organize and manage a Nursing Unit effectively.
		CO6	Identify dynamics of Organizational behavior, styles and functions of effective leadership.
6.	Introduction to Nursing research Statistics	CO1	Define the terms and concepts of nursing research.
		CO2	Identify the needs and scope of nursing research.
		CO3	Be able to define research problems.
		CO4	Locate and list sources of literature review including operational definition and conceptual framework.
		CO5	Describe different approaches and research designs in nursing research. Describe sample and sampling technique with special reference to survey method.
		CO6	Develop tool for data collection.
		CO7	Able to conduct pilot study to confirm reliability and validity of tool before data collection.
		CO8	To enumerate steps of data analysis and present data summary in tabular form.
		CO9	Use descriptive and co-relational statistics in data analysis.
		CO10	Conduct group project and write report.
		CO11	Use computer for research project.



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COURSE OUTCOME
M.Sc. Nursing Program 2023-2024

Sr. No.	Course Name	CO No.	Course Outcome
First year M.Sc. Nursing			
1.	Nursing Education	CO1	Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
		CO2	Describe the teaching learning process.
		CO3	Prepare and utilize various instructional media and methods in teaching learning process.
		CO4	Demonstrate competency in teaching, using various instructional strategies.
		CO5	Critically analyze the existing nursing educational programs, their problems, issues and future trends.
		CO6	Describe the process of curriculum development, the need and the methodology of curriculum changes, innovation and integration.
		CO7	Plan and conduct continuing nursing education programs.
		CO8	Critically analyze the existing teacher preparation programs in nursing.
		CO9	Demonstrate skill in guidance and counseling.
		CO10	Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
		CO11	Explain the development of standards and accreditation process in nursing education programs.
		CO12	Identify research priorities in nursing education.
		CO13	Discuss various models of collaboration in nursing education and services.
		CO14	Explain the concept, principles, steps, tools and techniques of evaluation.
		CO15	Construct, administer and evaluate various tools for assessment of knowledge, skill and attitude.



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2.	Advanced Nursing Practice	CO1	Appreciate and analyze the development of nursing as a profession.
		CO2	Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
			Explain bio- psycho- social dynamics of health, lifestyle and health care



		<p>CO3 delivery system.</p> <p>CO4 Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.</p> <p>CO5 Describe scope of nursing practice.</p> <p>CO6 Provide holistic and competent nursing care following the nursing process approach.</p> <p>CO7 Identify latest trends in nursing and the basis of advanced nursing practice.</p> <p>CO8 Perform extended and expanded role of nurse.</p> <p>CO9 Describe alternative modalities of nursing care.</p> <p>CO10 Describe the concept of quality control in nursing.</p> <p>CO11 Identify the scope of nursing research.</p> <p>CO12 Use computers in patient care delivery systems and nursing practice.</p> <p>CO13 Appreciate importance of self-development and professional advance</p>
3.	Nursing Research	<p>CO1 Define basic research terms and concepts.</p> <p>CO2 Review literature utilizing various sources</p> <p>CO3 Describe research methodology</p> <p>CO4 Develop a research proposal.</p> <p>CO5 Conduct a research study.</p> <p>CO6 Analyze and interpret the research data</p> <p>CO7 Communicate research findings</p> <p>CO8 Utilize research findings</p> <p>CO9 Critically evaluate nursing research studies</p> <p>CO10 Write scientific paper for publication</p>
4.	Statistics	<p>CO1 Explain the basic concepts related to statistics.</p> <p>CO2 Describe the scope of statistics in health and</p> <p>CO3 nursing. Organize, tabulate and present data</p> <p>CO4 meaningfully.</p>



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			Use descriptive and inferential statistics to predict results.
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		CO5	Draw conclusions of the study and predict statistical significance of the results.
		CO6	Describe vital health statistics and their use in health-related
		CO7	research Use statistical packages for data analysis.
5.	Medical Surgical Nursing (Cardiovascular and Thoracic Nursing)	CO1	Appreciate trends and issues related to cardiovascular and thoracic Nursing.
		CO2	Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardiovascular and thoracic conditions.
		CO3	Participate in national health programs for health promotion prevention and rehabilitation of patients with cardiovascular and thoracic conditions.
		CO4	Perform physical, psychosocial and spiritual assessment.
		CO5	Assist in various diagnostic, therapeutic and surgical procedures
		CO6	Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions.
		CO7	Demonstrate advanced skills / competence in managing patients with cardiovascular and thoracic conditions including Advance Cardiac Life Support.
		CO8	Describe the various drugs used in cardiovascular and thoracic conditions and nurses' responsibility.
		CO9	Demonstrate skill in handling various equipment / gadgets used for critical care of cardiovascular and thoracic patients.
		CO10	Appreciate teamwork & co-ordinate activities related to patient care.
		CO11	Practice infection control measures.
		CO12	Identify emergencies and complications and take appropriate measures
		CO13	Discuss the legal and ethical issues in cardiovascular and thoracic nursing
		CO14	Assist patient and their family to cope with emotional distress, grief anxiety
		CO15	and spiritual needs
		CO16	Appreciate the role of alternative system of medicine in care of patient
		CO17	Incorporate evidence-based nursing practice and identify the areas of research in the field of cardiovascular and thoracic nursing.



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			Identify the sources of stress and manage burnout syndrome among health
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		CO18	care providers.
		CO19	Teach and supervise nurses and allied health workers. Design a layout of ICCU and ICTU and develop standards for cardiovascular and thoracic nursing practice.
6.	Critical Care Nursing	CO1	Elicit trends and issues related to Critical Care Nursing.
		CO2	Describe the epidemiology, etiology, Patho physiology and diagnostic assessment of critically ill patients.
		CO3	Describe the various drugs used in critical care and the nurse's responsibility.
		CO4	Perform physical, psychosocial and spiritual assessment.
		CO5	Demonstrate advanced skills/ competence in managing critically ill patients including Advance Cardiac Life Support.
		CO6	Demonstrate skills in handling various equipment/ gadgets used for critical care.
		CO7	Apply nursing process in the care of critically ill patients.
		CO8	Enhance teamwork and coordinate activities related to patient care.
		CO9	Practice infection control measures.
		CO10	Assess and manage pain.
		CO11	Discuss the legal and ethical issues in critical care nursing.
		CO12	Assist patients and their family to cope with emotional and spiritual distress and grief.
		CO13	Assist in various diagnostic, therapeutic and surgical procedures.
		CO14	Incorporate evidence-based nursing practice and identify the areas of research in the field of critical care nursing.
		CO15	Identify the sources of stress and manage burnout syndrome among health care providers.
		CO16	Teach and supervise nurses and allied health workers.
		CO17	Design a layout of ICU and develop standards for critical care nursing



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	CO18	practice. Identify complications and take appropriate measures.
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7.	Oncology nursing	CO1	Explain the prevention, screening and early detection of cancer.
		CO2	Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems.
		CO3	Describe the psychological effects of cancer on patients and families.
		CO4	Demonstrate skill in administering/ assisting in various treatment modalities used for patients with cancer.
		CO5	Apply nursing process in providing holistic care to patients with
		CO6	cancer. Apply specific concepts on pain Management.
		CO7	Appreciate the care of death and dying patients and value of bereavement support.
		CO8	Describe the philosophy, concept and various dimensions of palliative care.
		CO9	Appreciate the role of alternative systems of medicine in the care of cancer patients.
		CO10	Appreciate the legal & ethical issues relevant to oncology nursing
		CO11	Recognize and manage Oncological emergencies.
		CO12	Counsel the patients with cancer and their families.
		CO13	Incorporate evidence- based nursing practice and identify the areas of research in the field of oncology nursing.
		CO14	Recognize the role of oncology nurse practitioner as a member of oncology team.
		CO15	Collaborate with other agencies and utilize resources in caring for cancer patients.
		CO16	Teach and supervise nurses and allied health workers.
8.	Mental Health Nursing	CO1	Design a layout and develop standards for management of oncology units/hospitals and nursing care.
		CO1	Appreciate the trends and issues in the field of psychiatric and psychiatric nursing.
		CO2	Explain the dynamics of personality development and human behaviour.
		CO3	Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
		CO4	Demonstrate therapeutic communications skills in all interactions.



		<p>CO5 Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities.</p> <p>CO6 Establish and maintain therapeutic relationships with individuals and groups.</p> <p>CO7 Uses assertive technique in personal and professional actions.</p> <p>CO8 Promotes the self-esteem of clients, others and self.</p> <p>CO9 Apply the nursing process approach in caring for patients with mental disorders.</p> <p>CO10 Describe the psychopharmacological agents, their effects and nurse's role.</p> <p>CO11 Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team.</p> <p>CO12 Describe various types of alternative systems of medicines used in psychiatric settings.</p> <p>CO13 Incorporate evidence-based nursing practice and identify the areas of research in the field of psychiatric nursing.</p>
9.	Obstetric and Gynecological Nursing	<p>CO1 Appreciate the trends in the field of midwifery, obstetrics and gynecology as a specialty.</p> <p>CO2 Describe the population dynamics and indicators of maternal and child health.</p> <p>CO3 Describe the concepts of biophysical, psychological and spiritual health.</p> <p>CO4 Provide comprehensive nursing care to women during reproductive period.</p> <p>CO5 Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynecological nursing.</p> <p>CO6 Identify and analyze the deviations from normal birth process and refer appropriately.</p> <p>CO7 Describe the pharmacological agents, their effects during pregnancy, childbirth, puerperium, lactation and the role of nurse.</p> <p>CO8 Counsel adolescents, women and families on issues pertaining to pregnancy, childbirth and lactation.</p>



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	CO9	Describe the role of various types of complementary and alternative therapies in obstetric and gynecological nursing.
	CO10	Incorporate evidence-based nursing practice and identify the



			areas of research in the field of obstetric and gynecological nursing.
		CO11	Describe the recent advancement in contraceptive technology and birth control measures.
		CO12	Appreciate the legal and ethical issues pertaining to obstetric and gynecological nursing.

COURSE OUTCOME
M.Sc. Nursing Program 2023-2024

Sr. No.	Course Name	CO No.	Course Outcome
Second year M.Sc. Nursing			
1.	Nursing Management	CO1	Describe the philosophy and objective of health care institutions at various levels.
		CO2	Identify trends and issues in nursing.
		CO3	Discuss the public administration, health care administration vis a vis nursing administration.
		CO4	Describe the principles of administration applied to nursing.
		CO5	Explain the organization of health and nursing services at various levels / institutions.
		CO6	Collaborate and co-ordinate with various agencies by using a multisectoral approach.
		CO7	Discuss the planning, supervision and management of nursing workforce for various health care settings.
		CO8	Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
		CO9	Identify and analyze legal and ethical issues in nursing administration.
		CO10	Describe the process of quality assurance in nursing services.
		CO11	Demonstrate leadership in nursing at various levels.
2.	Medical Surgical Nursing	CO1	Appreciate trends and issues related to cardiovascular and thoracic Nursing.
		CO2	Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardiovascular and thoracic conditions.



(Cardiovascular and Thoracic Nursing)	CO3	Participate in national health programs for health promotion prevention and rehabilitation of patients with cardiovascular and thoracic conditions.	
	CO4	Perform physical, psychosocial and spiritual assessment.	
	CO5	Assist in various diagnostic, therapeutic and surgical procedures.	
	CO6 CO7	Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions. Demonstrate advanced skills / competence in managing patients with cardiovascular and thoracic conditions including Advance Cardiac Life Support.	
	CO8	Describe the various drugs used in cardiovascular and thoracic conditions and nurses' responsibility.	
	CO9	Demonstrate skill in handling various equipment / gadgets used for critical care of cardiovascular and thoracic patients.	
	CO10	Appreciate teamwork & co-ordinate activities related to patient	
	CO11	care. Practice infection control measures.	
	CO12	Identify emergencies and complications and take appropriate	
	CO13	measures. Discuss the legal and ethical issues in cardiovascular and	
	CO14	thoracic nursing.	
	CO15	Assist patients and their family to cope with emotional distress, grief anxiety and spiritual needs.	
	CO16	Appreciate the role of alternative systems of medicine in care of patient.	
	CO17	Incorporate evidence-based nursing practice and identify the areas of research in the field of cardiovascular and thoracic nursing.	
	CO18	Identify the sources of stress and manage burnout syndrome among health care providers.	
	CO19	Teach and supervise nurses and allied health workers.	
			Design a layout of ICCU and ICTU and develop standards for cardiovascular and thoracic nursing practice.



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3.	Obstetric and Gynecological Nursing	CO1	Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynecological conditions.
		CO2	Perform physical, psychological, cultural and spiritual assessment.



		<p>CO3 Demonstrate competence in caring for women with obstetrical and gynecological conditions.</p> <p>CO4 Demonstrate competence in caring for high-risk newborns.</p> <p>CO5 Identify and manage obstetrical and neonatal emergencies as per protocol.</p> <p>CO6 Practice infection control measures.</p> <p>CO7 Utilize recent technology and various diagnostic and therapeutic modalities in the management of obstetrical, gynecological and neonatal care.</p> <p>CO8 Demonstrate skill in handling various equipment / gadgets used for obstetrical, gynecological and neonatal care.</p> <p>CO9 Teach and supervise nurses and allied health workers.</p> <p>CO10 Design a layout of specialty units of obstetrics and gynecology.</p> <p>CO11 Develop standards for obstetrical and gynecological nursing practice Counsel women and families.</p> <p>CO12 Incorporate evidence-based nursing practice and identify the areas of research in the field of obstetrical and gynecological nursing.</p> <p>CO13 Function as independent midwifery nurse practitioner.</p>
4.	<p>Medical Surgical Nursing (Critical Care Nursing)</p>	<p>CO1 Elicit trends and issues related to Critical Care Nursing.</p> <p>CO2 Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients.</p> <p>CO3 Describe the various drugs used in critical care and the nurse's responsibility.</p> <p>CO4 Perform physical, psychosocial and spiritual assessment.</p> <p>CO5 Demonstrate advanced skills/ competence in managing critically ill patients including Advance Cardiac Life Support.</p> <p>CO6 Demonstrate skills in handling various equipment/ gadgets used for critical care.</p> <p>CO7 Apply nursing process in the care of critically ill patients.</p> <p>CO8 Enhance teamwork and coordinate activities related to patient care.</p>



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	CO 9	Practice infection control measures.
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		<p>CO 10 Assess and manage pain.</p> <p>CO 11 Discuss the legal and ethical issues in critical care nursing.</p> <p>CO 12 Assist patients and their family to cope with emotional and spiritual distress and grief.</p> <p>CO 13 Assist in various diagnostic, therapeutic and surgical procedures</p> <p>CO 14 Incorporate evidence-based nursing practice and identify the areas of research in the field of criticalcare nursing.</p> <p>CO 15 Identify the sources of stress and manage burnout syndrome among health care providers.</p> <p>CO 16 Teach and supervise nurses and allied health workers.</p> <p>CO 17 Design a layout of ICU and develop standards for critical care nursing practice.</p> <p>CO 18 Identify complications and take appropriate measures.</p>
5.	<p>Medical Surgical Nursing</p> <p>(Oncology nursing)</p>	<p>CO1 Explain the prevention, screening and early detection of cancer.</p> <p>CO2 Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems.</p> <p>CO3 Describe the psychological effects of cancer on patients and families.</p> <p>CO4 Demonstrate skill in administrating/ assisting in various treatment modalities used for patients with cancer.</p> <p>CO5 Apply nursing process in providing holistic care to patients with cancer.</p> <p>CO6 Apply specific concepts on pain Management.</p> <p>CO7 Appreciate the care of death and dying patients and value of bereavement support.</p> <p>CO8 Describe the philosophy, concept and various dimensions of palliative care.</p> <p>CO9 Appreciate the role of alternative systems of medicine in care of cancer patients.</p> <p>CO10 Appreciate the legal & ethical issues relevant to oncology nursing</p> <p>CO11 Recognize and manage Oncological emergencies.</p>



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CO12

Counsel the patients with cancer and their families.



		<p>CO13 Incorporate evidence- b a s e d nursing practice and identify the areas of research in the fieldof oncology nursing.</p> <p>CO14 Recognize the role of oncology nurse practitioner as a member of oncology item.</p> <p>CO15 Collaborate with other agencies and utilize resources in caring for cancer patients.</p> <p>CO16 Teach and supervise nurses and allied health workers.</p> <p>CO17 Design a layout and develop standards for management of oncology units/hospitals andnursing care.</p>
6.	Mental Health Nursing	<p>CO1 Apply the nursing process in the care of mentally ill patients in hospital and community.</p> <p>CO2 Demonstrate advanced skills/competence in nursing management of patients with mental illness.</p> <p>CO3 Recognize and manage emergencies in</p> <p>CO4 children Providing nursing care to critically</p> <p>CO5 ill children</p> <p>CO6 Utilize the recent technology and various treatment modalities in the management of high-risk children</p> <p>CO7 Identify and manage psychiatric emergencies.</p> <p>CO8 Demonstrate skills in carrying out crisis</p> <p>CO9 intervention</p> <p>CO10 Appreciate the legal and ethical issues pertaining to psychiatric nursing. Identify areas of research in the field of psychiatric nursing.</p> <p>CO11 Prepare a design layout and describe standards for management of psychiatric units/ hospitals.</p> <p>Teach psychiatric nursing to undergraduate students & in-service nurses.</p>



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