

**Maharshi Karve Stree Shikshan
Samstha's Smt. Bakul Tambat Institute
of Nursing Education,
Karvenagar, Pune-52**

**FIRST YEAR B.Sc. NURSING
COURSE OUTCOMES**

Maharshi Karve Stree Shikshan Samstha's
Smt. Bakul Tambat Institute of Nursing Education, Karvenagar
First year Basic B.Sc. Nursing
Learning outcome of Anatomy and Physiology

Theory - Anatomy: 60

Physiology: 60

Placement: First Year

Course Description -

The course is designed to assist students to acquire the knowledge of the normal structure of human body & functions. To ensure the students understand the alternation in anatomical structure and function in disease and practice of Nursing.

Specific objectives – At the end of the course the students will be able to:

- 1) Describe the general structure and functions of the body as a whole.
- 2) Describe the general and microscopic structure and functions of each system of the body.
- 3) Explain the macroscopic and microscopic structure and functions of each organs of the body.
- 4) Understand the effects of alterations in structures and functions of as whole.
- 5) Apply the knowledge of anatomy and physiology in the practice of nursing.




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Smt. Bakul Tambat Institute of Nursing Education, Karvenagar
First year Basic B.Sc. Nursing
Learning outcome of Nutrition and Biochemistry

Nutrition

Placement: First Year

Theory 60-hours (Class 45 + lab 15)

Course Description: 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 nutritional in diseases for practice of nursing.

Specific objectives: At the end of the course the students will be able to

1. To understand the concept of nutrition & health.
2. To understand different types of nutrients, their importance, sources, functions and problems due to deficiency.
3. To plan balanced diet for individuals and groups.
4. Plan menu efficiently.
5. Explain methods of effective cooking and food preservation.
6. Apply the principles of food preparation in the practical field effectively

Biochemistry

Placement: First Year

Theory – 30 hours

Course Description: 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.

Specific objectives: at the end of the course the students will be able to:

- 1) To understand normal biochemistry of human body
- 2) To understand biochemical changes occurring in illness
- 3) To assist with simple biochemical test, interpret the results and draw inference.



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First year Basic B.Sc. Nursing
Learning outcome for Nursing Foundation

Nursing Foundation

Placement: First year

Theory 265 hrs

Practical- 650hrs (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 supervised clinical settings. It is aimed at helping the students to acquire the knowledge, understanding and skills in techniques of nursing and practice them in supervised clinical setting.

Specific objectives: At the end of the course students will be able to develop:

- 1) Knowledge on concept of health, health-illness continuum and health care delivery system.
- 2) Knowledge on scope of nursing practice.
- 3) Knowledge on concept, theories and models of nursing practice.
- 4) Desirable attitude to ethics and professional conduct.
- 5) Skill in communicating effectively with patients and families and team members to maintain effective human relations.
- 6) Skill in health assessment and monitoring of patients.
- 7) Skill in carrying out basic nursing care procedures.
- 8) Skill in caring for patients with alterations in body functions.
- 9) Skill in applying steps of nursing process in the care of clients in the hospital and community.
- 10) Skill in applying scientific principles while performing nursing care.
- 11) Skill in documentation.
- 12) Skill in meeting basic psychosocial needs of the clients.
- 13) Knowledge on principles and techniques of infection control.
- 14) Confidence and competence in caring of terminally ill patients.


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First year Basic B.Sc. Nursing
Learning outcome for Psychology

Psychology

Placement: First Year Theory 60 hours

(Class 50 + Lab 10 hrs)

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.

Specific Objectives: At the end of the course the students will be able to:

1. Understand the importance of psychology in personal and professional life.
2. Understands the biology of human behaviour.
3. Understands cognitive and affective processes of human mind.
4. Develops an understanding of self and others.
5. Understand the influence of personality of human behaviour.
6. Appreciates developmental psychology.
7. Understands the significance of mental hygiene and mental health.
8. Assist with psychological assessments and tests.



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First year Basic B.Sc. Nursing
Learning outcome for Microbiology

Microbiology


Placement: First Year

Theory -60 Hours (Theory 45+15 lab)

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

Specific objectives: At the end of the course student will be able to:

1. Explain concepts and principles of microbiology and their importance in nursing.
2. Understand the commensal, opportunistic and pathogenic organisms of human body and describe host parasite relationship.
3. State the sources and modes of transmission of pathogenic and opportunistic organisms including vectors and their role in transmission of diseases.
4. Be conversant with proper methods of collection, storage and transport of clinical material for microbiological investigations.
5. Understand the principles of immunology and its application in the diagnosis and prevention of infectious diseases.


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First year Basic B.Sc. Nursing
Learning outcome for English

English

Placement: First year

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 experience.

Specific objectives: At the end of the course the students are able to:

- 1) Develop good vocabulary skills or better communication.
- 2) Effectively communicates with patients while rendering care.
- 3) Understands methods of writing and drafting letters in English.
- 4) To plan and write effective nursing process and records.




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First year Basic B.Sc. Nursing
Learning outcome for Introduction to Computer**

Introduction to Computer

Placement : First Year

Theory – 45 Hours (Class -15 + lab 30)

Course Description: This course is designed for students to development basic understanding of uses of computer and its applications in nursing.

Specific objectives: After the completion of the course, students will able to:

1. Identify & define various concepts used in computer.
2. Identify & describe application of computer in nursing.
- 3 Describe & use the DOS & Windows
4. Describe & demonstrate skill in the use of MS-office.
5. Describe & demonstrate skill in using multimedia & computer aided teaching & testing.
6. Identify & demonstrate use of internet & e-mail
7. Describe & use the statistical packages
8. Describe the use of Hospital Management System.




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SECOND YEAR B.Sc. NURSING

COURSE OUTCOMES

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**Course outcome of Second year Basic B.Sc. Nursing
SOCIOLOGY**

Placement: Second Year

Total Hours: 60 Hrs.

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.

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

1. Describe the structure and the dynamics of the society
2. Discuss the relationship of the individual to the society.
3. Understand the social problems and its influence on social changes and the factors contributing to it.
4. Describe sociological concepts applicable to nursing.
5. Determine role of sociology in nursing as related to social institution in India
6. Develop positive attitudes towards individual, family and community.




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**Course outcome of Second year Basic B.Sc. Nursing
MEDICAL SURGICAL NURSING – I**

Placement: Second Year

Theory: 210 Hrs.

Practical: 720 Hrs.

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

Course Objectives: At completion of the course the student are able to:

1. Describe the causes, signs and symptoms, treatment and prevention of medical surgical conditions.
2. Demonstrate skill in carrying out nursing techniques and procedures in keeping with scientific principles.
3. Discuss nursing process and provide nursing care to patients with various medical surgical conditions.




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**Course outcome of Second year Basic B.Sc. Nursing
PHARMACOLOGY, PATHOLOGY AND GENETICS**

PHARMACOLOGY:

Placement: Second Year

Theory – 45Hours

(Class 35 Hours + Lab 10 Hours)

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

Course objectives: At the end of the course the students are able to:

1. Understand the basic concepts of pharmacology
2. Understand the pharmacology of common chemotherapeutics.
3. Understand common antiseptics, disinfectants and insecticides.
4. Understand drug acting on various systems of human body.
5. Appreciate alternative systems of medicines.

PATHOLOGY:

Placement: Second Year

Theory - 30 Hrs


(Class 23 + Lab 07 Hrs)

Course Description: This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

Course objectives: At the end of the course students are able to:

1. Understand the basic concepts of pathology.
2. Understand the pathophysiological changes in different system disorders.
3. Assist for various pathological tests conducted in the clinical field.
4. Collect and send the pathological tests and infer their results with patient conditions




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GENETICS:

Placement: Second Year

Theory: 15 Hours

Course Description: This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases.

Specific objectives: At the end of the course students are able to:

1. Understand the basic concepts of genetics.
2. Understand maternal, prenatal and genetic influences on development of defects and diseases.
3. Understand the significance of genetic testing.
4. Understand genetic disorders in various age groups.
5. Appreciate services related to genetics.




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**Course outcome of Second year Basic B.Sc. Nursing
COMMUNITY HEALTH NURSING- I**

Placement: Second year

Theory - 90 Hours

Practical-135 Hours

Course Description: This Course is designed for Students to appreciate the principles of promotion and maintenance of health

Course objectives: AT the end of the course students are able to:

1. Understand the concepts of community health and community health nursing
2. Appreciate the various factors influencing health in the community
3. Appreciate the concept, scope, uses and methods of epidemiology
4. Understand the epidemiology and nursing management of common communicable diseases.
5. Appreciate the concept and scope of demography
6. Understand the impact of population explosion and population control




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**Course outcome of Second year Basic B.Sc. Nursing
COMMUNICATION & EDUCATION TECHNOLOGY**

Placement: Second Year

Theory: 90 Hrs.

(Theory 60 Hrs + Lab 30 Hrs)

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 and human relations, develop basic skills in guidance and counseling, principles of education, teaching individuals and groups in clinical, community and health educational settings.

Course objectives: On completion of this course, the graduate nurse will be able to:

1. Understand the effective communication process using various communication techniques with individuals groups and health team members.
2. Establishes effective interpersonal and human relations with patients, families and health team members.
3. Acquires knowledge on concepts, principles on guidance and counseling and develop basic skills for counseling patients, nursing students and nursing personnel.
4. Understand the philosophy, principles of education and teaching learning process.
5. Demonstrate teaching skills using various teaching methods in classroom, clinical and community setup using different methods and media.
6. Demonstrate skill in preparing different types of assessment tools for knowledge attitude and skill.




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THIRD YEAR B.Sc. NURSING

COURSE OUTCOMES

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Course outcome of Third year Basic B.Sc. Nursing

MEDICAL SURGICAL NURSING

(Adult including Geriatrics) –II

Placement: Third year Time:

Theory –120 hours

(Classroom 103 + Lab 17)

Practical- 270 hours

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

Specific objectives: At the end of the course the student will be able to:

1. Provide care for patients with disorders of ear nose and throat.
2. Take care of patients with disorders of eye.
3. Plan, implement and evaluate nursing management of patients with neurological disorders.
4. Develop abilities to take care of female patients with reproductive disorders.
5. Provide care of patients with burns, reconstructive and cosmetic surgery.
6. Manage patients with oncological conditions
7. Develop skill in providing care during emergency and disaster situations
8. Plan, implement and evaluate care of elderly
9. Develop ability to manage patients in critical care units.




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**Course outcome of Third year Basic B.Sc. Nursing
CHILD HEALTH NURSING**

Placement: Third Year.

**Time: Theory-90 Hrs.
(Class 80 + Lab 10 hrs)
Practical- 270 Hrs.**

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.

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

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




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Course outcome of Third year Basic B.Sc. Nursing
MENTAL HEALTH NURSING

Placement: Third Year.

Theory -120 hours

Practical- 270 hours

Course Description:

This course is designed for developing an understanding of the modern approach to mental health, identification, prevention, rehabilitation and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

Specific objectives: At the end of the course student will be able to:

1. Understand the historical development and current trends in mental health nursing.
2. Comprehend and apply principles of psychiatric nursing in clinical practice.
3. Understand the etiology, psychodynamics and management of psychiatric disorders.
4. Develop competency in assessment, therapeutic communication and assisting with various treatment modalities.
5. Understand and accept psychiatric patient as an individual and develop a deeper insight into her own attitudes and emotional reactions.
6. Develop skill in providing comprehensive care to various kinds of psychiatric patients
7. Develop understanding regarding psychiatric emergencies and crisis interventions.
8. Understand the importance of community health nursing in psychiatry.




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Course outcome of Third year Basic B.Sc. Nursing
MIDWIFERY AND OBSTETRICAL NURSING

Placement: Third Year (N)

Time: Theory-90 Hours

Practical-180 Hours

(+ 180 hours of 4th year)

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.

Specific objectives: At the end of the course student will be able to:

1. Describe the normal pregnancy, labor and puerperium and demonstrate the application of knowledge and skill in giving need –based care.
2. Demonstrate safe management of all stages of labour.
3. Identify the high risk factor during pregnancy, labor and puerperium as well as neonates and take appropriate interventions.
4. Motivate the mother for care of the baby and adapting family planning methods to maintain small family norms.
5. Prepare the mothers for self care during the pregnancy, labor and puerperium.




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FOURTH YEAR B.Sc. NURSING

COURSE OUTCOMES

**MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
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**Course outcome of Fourth year Basic B.Sc. Nursing
MIDWIFERY AND OBSTETRICAL NURSING**

Placement: Third Year (N)

Time: Theory-90 Hours

Practical-180 Hours (+ 180 hours of 4th year)

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.

Course objectives:

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

1. Describe the normal pregnancy, labor and puerperium and demonstrate the application of knowledge and skill in giving need –based care.
2. Demonstrate safe management of all stages of labour.
3. Identify the high risk factor during pregnancy, labor and puerperium as well as neonates and take appropriate interventions.
4. Motivate the mother for care of the baby and adapting family planning methods to maintain small family norms.
5. Prepare the mothers for self-care during the pregnancy, labor and puerperium.



A handwritten signature in purple ink, appearing to read "J. Meena", with a horizontal line underneath.

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**Course outcome of Fourth year Basic B.Sc. Nursing
COMMUNITY HEALTH NURSING – II**

Time: Theory – 90 hours

Practical – 135 hours

Course description:

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

Course objectives:

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

1. Understand the concepts, scope, principles and historical development of community health and community health nursing.
2. Appreciate the national health planning, polices, problems.
3. Describe the system of delivery of community health services in rural and urban area.
4. Develop understanding about community health nursing approaches, concepts and roles and responsibilities of nursing personnel.
5. Participate in assisting individuals and groups to promote and maintain their health.
6. Appreciate the national health and family welfare programme and the role of the nurse.
7. Understand the health agencies at the international and national level.




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**Course outcome of Fourth year Basic B.Sc. Nursing
MANAGEMENT OF NURSING SERVICE & EDUCATION**

**Total hours: Theory: 90 Hrs
(Class 60 + Lab 30 hrs)**

Course Description: This course is designed to enable students to acquire in-depth understanding of management of hospital services, management of nursing services and 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 Nursing profession.

Course objectives:

At the end of the course student will be able to

1. Understand the principles and functions of management
2. Understand the elements and process of management
3. Appreciate the management of nursing services in the hospital and community.
4. Apply the concepts, theories and techniques of organizational behaviour and human relations.
5. Develop skills in planning and organizing in service education
6. Understand the management of nursing educational institutions.
7. Describe the ethical and legal responsibilities of a professional nurse
8. Understand the various opportunities for professional advancement.




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**Course outcome of Fourth year Basic B.Sc. Nursing
NURSING RESEARCH AND STATISTICS**

**Total Hours : Theory – 45 Hour
Practical – 30 Hours per Week
(Project work to be carried out during internship)**

Course Description:


The course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics and to enable them to conduct/participate in need based research studies in various settings. Further the students will be able to utilize the research findings to provide quality-nursing care. Total marks – 100

Course objectives:

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

1. Define the terms and concepts of nursing research.
2. Identify needs and scope of nursing research.
3. Define research problems.
4. Locate and list sources of literature review including operational definitions and conceptual framework.
5. Describe different approaches and research designs in nursing research.
6. Describe sample and sampling technique.
7. Develop tool for data collection.
8. Conduct pilot study to confirm reliability and validity of tool before data collection
9. To enumerate steps of data analysis and present data summary
10. Use descriptive and co- relational statistics in data analysis.
11. Conduct group project and write report.




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**Course outcome of Fourth year Basic B.Sc. Nursing
INTERNSHIP (INTEGRATED PRACTICE)**

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Recommended hours of theory should be completed as day system/ block system prior to each posting.
3. Internship should be carried out as 8 hours per day @ 48 hours per week
4. Students during internship will be supervised by nursing teachers
5. Fourth year final examination to be held only after completing internship.




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FIRST YEAR P.B.B.Sc. NURSING

COURSE OUTCOMES

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Smt. Bakul Tambat Institute of Nursing Education,
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Course Outcome of First Year P.B. BSc. Nursing
NURSING FOUNDATION

Placement: Ist Year

Time Allotted: Theory: 45Hrs

Practical: 30 Hrs

COURSE DESCRIPTION:

This course will help students to develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession.

OBJECTIVES: At the end of the course, the students will

1. Identify professional aspects of nursing
2. Explain theories of nursing
3. Identify ethical aspects of nursing profession
4. Utilise steps of nursing process
5. Identify the role of the nurse in various levels of health services
6. Appreciate the significance or quality assurance in nursing.
7. Explain current trends in health and nursing


Sign of Class coordinator




Sign of Principal

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Course Outcome of First Year P.B. BSc. Nursing
NUTRITION & DIETETICS

Placement: Ist Year

Time Allotted Theory : 30 Hrs.

Practical: 15 Hrs.

COURSE DESCRIPTION:

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

OBJECTIVES: At the end of the course, the students will

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.


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Karvenagar, Pune 52
Course Outcome of First Year P.B. BSc. Nursing
BIOCHEMISTRY

Placement: Ist Year

Time Allotted Theory : 30 Hrs

Practical:

COURSE DESCRIPTION:


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

OBJECTIVES: At the end of the course, the students will

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


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Course Outcome of First Year P.B. BSc. Nursing
BIOPHYSICS

Placement: Ist Year

Time Allotted Theory: 30 Hrs

COURSE DESCRIPTION:

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


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Course Outcome of First Year P.B. BSc. Nursing
PSYCHOLOGY

Placement: Ist Year

Time Allotted Theory : 60 Hrs

Practical: 15 Hrs

COURSE DESCRIPTION:

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

OBJECTIVES: The course aims towards the developing students' skills in –

- Understanding herself and others
- Analysing her own thought and behavior patterns
- Using psychological principles to improve her efficiency in nursing care
- Applying psychological principles while performing nursing duties
- Distinguishing psychological processes during health and sickness
- Planning nursing care with regards to psychological needs and concerns
- Participating in psychological assessment of patients


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Course Outcome of First Year P.B. BSc. Nursing
MICROBIOLOGY

Placement: Ist Year

Time Allotted Theory : 60 Hrs

Practical: 30 Hrs

COURSE DESCRIPTION:


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

OBJECTIVES: After the course the students will develop

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


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Course Outcome of First Year P.B. BSc. Nursing
MATERNAL NURSING

Placement: Ist Year

Time Allotted Theory: 60 Hrs


Practical: 240

COURSE DESCRIPTION;


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

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

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


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Course Outcome of First Year P.B. BSc. Nursing
CHILD HEALTH NURSING

Placement: Ist Year

Time Allotted Theory : 60hrs

Practical: 240hrs

COURSE DISCRIPTION:


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

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

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


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Course Outcome of First Year P.B. BSc. Nursing
MEDICAL –SURGICAL NURSING

Placement: Ist Year.

Allotted Theory: 90hrs.

Practical: 270hrs.

COURSE DESCRIPTION:

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

OBJECTIVES: At the end of the course, the P.B.B.Sc. Nursing students will-

1. explain relevant Anatomy & Physiology of various systems of the body.
2. explain etiology, pathophysiology & manifestations of various disorders.
3. explain the actions, side-effects & nursing implications in administering drugs for various disorders.
4. discuss the recent advancement in the investigations, treatment & care of patients with Medical Surgical conditions.
5. develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. assist the patients & their families in identifying & meeting their own health needs.
7. provide planned & incidental health education on various aspects related to disorder & relevant care.
8. appreciate the role of the nurse in the Medical Surgical health team.

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Course Outcome of First Year P.B. BSc. Nursing
ENGLISH

Placement: Ist Year

Time Allotted: Theory – 60 Hrs

COURSE DESCRIPTION:

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

OBJECTIVES: After the course the students will develop

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


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SECOND YEAR P.B.B.Sc. NURSING

COURSE OUTCOMES

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Second Year P.B.B.Sc Nursing**

COURSE OUTLINE

SOCIOLOGY

Placement: IInd Year

Time Allotted: Theory: 60 Hrs.

COURSE DESCRIPTION:

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

OBJECTIVES: At the end of the course, the student will

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




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**COURSE OUTLINE
COMMUNITY HEALTH NURSING**

Placement : IInd year

Time Allotted Theory : 60 Hrs.

Practical: 240 Hrs.

COURSE DESCRIPTION:

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

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

OBJECTIVES : At the end of the course the student will

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




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Second Year P.B.B.Sc Nursing**

**COURSE OUTLINE
MENTAL HEALTH NURSING**

Placement: IInd Year

Time Allotted Theory : 60 hrs.

Practical : 240 hrs.

COURSE DESCRIPTION

This course enables the students to recognize and appreciate the causes, symptoms and process of abnormal human behavior.

It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behavior.

This course helps the student to learn principles of mental health and psychiatric nursing and to develop skills in the management of the mentally ill in hospital and community.

OBJECTIVES : At the end of course, the student will

1. Identify and describe the philosophy and principles of mental health nursing.
2. Describe the historical development of mental health and psychiatric nursing.
3. Classify mental disorders.
4. Develop skills in history taking and performing mental status examination.
5. Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various mental disorders.
7. Communicate therapeutically with patients and their families.
8. Identify role of the nurse in preventive psychiatry.
9. Identify the legal aspects in practice of mental health and psychiatric nursing.




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INTRODUCTION TO NURSING SERVICE ADMINIATRATION

Placement: IInd Year

Time Allotted : Theory : 60 hours
Practical : 180 hours

Sr no.	Area of posting	No of Hours	Assignments CS/ Visits
1	Ward Management	90	Job responsibilities Duty roster
2	ICU Management	30	Performance appraisal Day night report
3	OPD / Departments	30	
4	Visits to hospitals and other agencies (ie. Govt, Pvt or corporation and any other)	30	Visit report

Internal Assessment:

Theory: 15 Marks

Clinical Assignment: 10 Marks

Total: 25 Marks

Details as follows:

Internal Assessment (Theory): 15 Marks

(Out of 15 Marks to be send to the University)

Mid-Term: 50 Marks

Prelim: 75 Marks

Total: 125 Mark

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Clinical Assignment: 10 Marks

Practicum: Posting of ward management: 100 Marks

(100 Marks from Clinical Assignment to be converted into 10 Marks)

External Assessment (Theory): 75 Marks (University Examination)




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Second Year P.B.B.Sc Nursing

COURSE OUTLINE

INTRODUCTION TO NURSING EDUCATION

Placement– IInd Year

Time allotted Theory : 60 hrs

Practical : 75 hrs

COURSE DESCRIPTION :-

This course introduces the students to Principles and concepts of Education, curriculum development and methods and media of teaching. It also describes the step the steps in curriculum

development and implementation of educational programme in Nursing.

OBEJCTIVES ; At the end of the course, the students will

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



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Second Year P.B.B.Sc Nursing

COURSE OUTLINE

INTRODUCTION TO NURSING RESEARCH STATISTICS

Placement : II nd Year

Time Allotted Theory : 45 hrs.

Practical : 120 hrs.

COURSE DESCRIPTION

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

OBJECTIVES : At the end of course student will

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




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FIRST YEAR M.Sc. NURSING

COURSE OUTCOMES

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Course outcome for First Year M.Sc. (N)

ADVANCED NURSING PRACTICE

Placement: 1 year

Hours of Instruction
Theory 150 Hours
Practical 200 Hours
Total: 350 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs theoretical basis of advanced nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

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

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio-psycho-social dynamics of health, life style and health care delivery system
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
9. Describe alternative modalities of nursing care.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self development and professional advance

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Karvenagar Pune.
Course outcome for First Year M.Sc. (N)

NURSING EDUCATION

PLACEMENT: First Year
HOURS OF INSTRUCTION
Theory : 150 Hours
Practical : 150 Hours
Total : 300 Hours

COURSE DESCRIPTION

This course is designed to assist students to develop a broad understanding of fundamental principles, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

OBJECTIVES

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

1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and the methodology of curriculum changes, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill and attitude.


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Course outcome for First Year M.Sc. (N)

NURSING RESEARCH AND STATISTICS

Placement 1st Year

Hours of Instruction
Theory :150 Hours
Practical :100 Hours
Total: 250 Hours

Part A: Nursing Research

Course Description :-

The Course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

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

1. Define basic research terms and concepts.
2. Review literature utilizing various sources
3. Describe research methodology
4. Develop a research proposal.
5. Conduct a research study.
6. Analyze and interpret the research data
7. Communicate research findings
8. Utilize research findings
9. Critically evaluate nursing research studies
10. write scientific paper for publication

PART - B : STATISTICS

Course Description

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing.

Theory 50 Hrs. & Practical 50 Hrs.

General Objectives:

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

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results.
5. Draw conclusions of the study and predict statistical significance of the results.
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

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Course outcome for First Year M.Sc. (N)

CLINICAL SPECIALITY – I
MEDICAL SURGICAL NURSING

Placement : 1ST Year

Hours of Instruction
Theory – 150 Hours
Practical – 650 Hours
Total : 800 Hours

Course Description

This course is common for the students undergoing clinical speciality-II in neuro science nursing / cardiovascular & thoracic nursing / critical care nursing /oncology nursing / orthopaedic and rehabilitation nursing / nephro & urology nursing, gastroenterology nursing / geriatric nursing.

It is designed to assist students in developing expertise and in depth knowledge in the field of Medical Surgical Nursing. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Medical-Surgical Nurse. It will further enable the students to function as educator, manager and researcher in the field of Medical Surgical Nursing.

Objectives

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

1. Appreciate trends and issues in the field of Medical – Surgical Nursing as a speciality
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of Medical – Surgical patients.
5. Apply Nursing process in providing care to patients.
6. Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies with Medical – Surgical patient's.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to Medical – Surgical Nursing.
10. Prepare a design for layout and management of Medical – Surgical Units.
11. Appreciate the role of alternative systems of Medicine in care of patients.
12. Incorporate evidence based Nursing practice and identify the areas of research in the field of Medical – Surgical Nursing.
13. recognize the role of Nurse practitioner as a member of the Medical – Surgical health teams
14. Teach Medical – Surgical Nursing to undergraduate nursing students & in-service nurses.


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Course outcome for First Year M.Sc. (N)

CLINICAL SPECIALITY -I
MENTAL HEALTH (PSYCHIATRIC) NURSING

Placement : 1st year

Hours of Instruction
Theory 150 hours
Practical 650 hours
Total: 800 hours

Course Description

The course is designed to assist students in developing expertise and in depth understanding in the field of Psychiatric nursing. It will help students to appreciate the clients as a holistic individual and develop skill to function psychiatric nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of psychiatric nursing

Objectives

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

1. Appreciate the trends and issues in the field of psychiatric and psychiatric nursing.
2. Explain the dynamics of personality development and human behaviour.
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communications skills in all interactions
5. Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups
7. Uses assertive technique in personal and professional actions
8. Promotes self-esteem of clients, others and self
9. Apply the nursing process approach in caring for patients with mental disorders
10. Describe the psychopharmacological agents, their effects and nurses role
11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team
12. Describe various types of alternative system of medicines used in psychiatric settings
13. Incorporate evidence based nursing practice and identify the areas of research in the field of psychiatric nursing

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Course outcome for First Year M.Sc. (N)

CLINICAL SPECIALITY - I

OBSTETRIC AND GYNAECOLOGICAL NURSING

Placement: 1 st Year

Hours of Instruction
Theory : 150 Hours.
Practical : 650Hours
Total : 800 Hours

Course Description

This course is design to assist students in developing expertise and in depth understanding in the field of Obstetric and Gynecological Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager and researcher in the field of Obstetric and Gynecological nursing

Objectives

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

1. Appreciate the trends in the field of midwifery, obstetrics and gynaecology as a speciality
2. Describe the population dynamics and indicators of maternal and child health
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynecological nursing.
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation
9. Describe the role of various types of complementary and alternative therapies in obstetric and gynecological nursing
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynecological nursing
11. Describe the recent advancement in contraceptive technology and birth control measures.
12. Appreciate the legal and ethical issues pertaining to obstetric and gynaecological nursing

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SECOND YEAR M.Sc. NURSING

COURSE OUTCOMES

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BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52
Second Year M.Sc. Nursing
NURSING MANAGEMENT**

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

1. Describe the philosophy and objective of the health care institutions at various levels.
2. Identify trends and issues in nursing.
3. Discuss the public administration, health care administration vis a vis nursing administration.
4. Describe the principles of administration applied to nursing.
5. Explain the organization of health and nursing services at the various levels / institutions.
6. Collaborate and co-ordinate with various agencies by using multisectoral approach.
7. Discuss the planning, supervision and management of nursing workforce for various health care setting.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
9. Identify and analyses legal and ethical issues in nursing administration.
10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership in nursing at various levels.



Signature of Class Coordinator




Sign of Principal
PRINCIPAL
MKSSS's Smt. Bakul Tambat
Institute of Nursing Education
Karvenagar, Pune-411 052.

**MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52**

**Second Year M.Sc Nursing (Medical Surgical)
SUB SPECIALITY – CARDIO VASCULAR AND THORACIC NURSING**

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

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion prevention and rehabilitation of patients with cardio vascular and thoracic conditions
4. Perform physical, psychosocial and spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardio vascular and thoracic conditions
7. Demonstrate advance skills / competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.
8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility.
9. Demonstrate skill in handling various equipments / gadgets used for critical care of cardio vascular and thoracic patients
10. Appreciate team work & co-ordinate activities related to patient care.
11. Practice infection control measures
12. Identify emergencies and complications and take appropriate measures
13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing
14. Assist patient and their family to cope with emotional distress, grief anxiety and spiritual needs
15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence-based nursing practice and identify the areas of research in the field of cardio vascular and thoracic nursing.
17. Identify the sources of stress and manage burnout syndrome among health care providers.
18. Teach and supervise nurses and allied health workers.
19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice.



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BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52**

Second Year M.Sc. Nursing (Medical Surgical)

SUB SPECIALITY – Critical Care Nursing

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

1. Elicit trends and issues related to Critical Care Nursing.
2. Describe the epidemiology, etiology, patho physiology and diagnostic assessment of critically ill patients.
3. Describe the various drugs used in critical care and the nurse's responsibility.
4. Perform physical, psychosocial and spiritual assessment.
5. Demonstrate advance skills/ competence in managing critically ill patients including Advance Cardiac Life Support.
6. Demonstrate skills in handling various equipment/ gadgets used for critical care.
7. Apply nursing process in the care of critically ill patients.
8. Enhance team work and coordinate activities related to patient care.
9. Practice infection control measures.
10. Assess and manage pain.
11. Discuss the legal and ethical issues in critical care nursing.
12. Assist patients and their family to cope with emotional and spiritual distress and grief.
13. Assist in various diagnostic, therapeutic and surgical procedures
14. Incorporate evidence-based nursing practice and identify the areas of research in the field of critical care nursing.
15. Identify the sources of stress and manage burnout syndrome among health care providers.
16. Teach and supervise nurses and allied health workers.
17. Design a layout of ICU and develop standards for critical care nursing practice.
18. Identify complications and take appropriate measures.



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BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52**

**Second Year M.Sc. Nursing (Medical Surgical)
SUB SPECIALITY – ONCOLOGY NURSING**

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

1. Explain the prevention, screening and early detection of cancer.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems.
3. Describe the psychological effects of cancer on patients and families.
4. Demonstrate skill in administrating/ assisting in various treatment modalities used for patients with cancer.
5. Apply nursing process in providing holistic care to patients with cancer.
6. Apply specific concepts on pain Management.
7. Appreciate the care of death and dying patients and value of bereavement support.
8. Describe the philosophy, concept and various dimensions of palliative care.
9. Appreciate the role of alternative systems of medicine in care of cancer patients.
10. Appreciate the legal & ethical issues relevant to oncology nursing
11. Recognize and manage Oncological emergencies.
12. Counsel the patients with cancer and their families.
13. Incorporate evidence-based nursing practice and identify the areas of research in the field of oncology nursing.
14. Recognize the role of oncology nurse practitioner as a member of oncology team.
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers.
17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.



Signature of Class-Coordinator



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**MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52**

Second Year M.Sc. Nursing

MENTAL(PSYCHIATRIC) HEALTH NURSING

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

1. Apply the nursing process in the care of mentally ill patients in hospital and community.
2. Demonstrate advanced skills/competence in nursing management of patients with mental illness.
3. Recognize and manage emergencies in children
4. Providing nursing care to critically ill children
5. Utilize the recent technology and various treatment modalities in the management of high-risk children
6. Identify and manage psychiatric emergencies.
7. Demonstrate skills in carrying out crisis intervention
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing.
9. Identify areas of research in the field of psychiatric nursing.
10. Prepare a design layout and describe standards for management of psychiatric units/ hospitals.
11. Teach psychiatric nursing to undergraduate students & in-service nurses.



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BAKULTAMBAT INSTITUTE OF NURSING EDUCATION
KARVE NAGAR PUNE 52
Second Year M.Sc. Nursing
OBSTETRICS & GYNAECOLOGICAL NURSING**

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

1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynecological conditions
2. Perform physical, psychological, cultural and spiritual assessment
3. Demonstrate competence in caring for women with obstetrical and gynecological conditions
4. Demonstrate competence in caring for high-risk newborn
5. Identify and manage obstetrical and neonatal emergencies as per protocol
6. Practice infection control measures
7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynecological and neonatal care
8. Demonstrate skill in handling various equipment / gadgets used for obstetrical, gynecological and neonatal care
9. Teach and supervise nurses and allied health workers
10. Design a layout of specialty units of obstetrics and gynecology
11. Develop standards for obstetrical and gynecological nursing practice
12. Counsel women and families
13. Incorporate evidence-based nursing practice and identify the areas of research in the field of obstetrical and gynecological nursing
14. Function as independent midwifery nurse practitioner



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