



**M.O.S.C. COLLEGE OF NURSING, KOLENCHERY**  
Affiliated to Kerala University of Health Sciences, Thrissur,  
Recognized by Kerala Nurses and Midwives Council, Thiruvananthapuram and  
Indian Nursing Council, New Delhi  
**MALANKARA ORTHODOX SYRIAN CHURCH MEDICAL MISSION**  
**KOLENCHERY-682 311, ERNAKULAM**

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**COURSE OBJECTIVES**  
**B.SC NURSING**

**FIRST YEAR B. SC NURSING:**

**ENGLISH:**

The course is designed to enable students and classroom experience.

**Course 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.

**ANATOMY AND PHYSIOLOGY:**

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

**Course 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.

## **NUTRITION & BIOCHEMISTRY:**

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.

### **Course objectives:**

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

1. To Understand the concept of nutrition & health.
2. 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.

## **NURSING FOUNDATION:**

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.

### **Course 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.

## **PSYCHOLOGY:**

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.

### **Course 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

## **MICROBIOLOGY:**

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.

### **Course 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

## **INTRODUCTION TO COMPUTER:**

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

### **Course 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.

## **SECOND YEAR B.SC NURSING:**

### **SOCIOLOGY:**

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.

### **PHARMACOLOGY:**

This course is designed to enable students to acquire understanding of pharmacodynamics, pharmacokinetics, 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 drug acting on various systems of human body.
3. Appreciate alternative systems of medicines.
4. Understand the pharmacology of common chemotherapeutics.
5. Understand common antiseptics, disinfectants and insecticides.

### **COMMUNITY HEALTH NURSING- I:**

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.

### **MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS) – I:**

#### **MEDICAL NURSING:**

The purpose of this course is to enable students to identify the etiology, pathophysiology, symptomatology, diagnostic measures and management (medical, nursing and dietetic) of common medical, communicable and dermatological diseases and to develop proficiency in caring for patients with these diseases.

#### **Course objectives:**

At completion of the course the student is able to:

- a. Appreciate the trends in medicine and medical nursing.
- b. Describe the role of a nurse in caring patients with medical dermatologic and communicable diseases.
- c. Discuss nursing process and provide nursing care to patients with various medical surgical conditions.
- d. Describe the common signs , symptoms and problems and their specific nursing interventions.
- e. Explain the etiology, Patho physiology, Clinical manifestations diagnostic measures and management of patients with disorders of respiratory system.
- f. Provide nursing care to clients with medical disorders
- g. Counsel and educate patients and families

h. Provide nursing care to clients with cardiac medical disorder

#### **PATHOLOGY:**

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

#### **Course objectives:**

At completion of the course the student is able to:

1. Define the common terms used in pathology
2. Appreciate the deviations from normal to abnormal structure and functions of the body system.
3. Explain Pathological changes in disease conditions of various systems
4. Describe various laboratory tests in assessment and monitoring of disease conditions.
5. Describe the laboratory tests for examination of body cavity fluids, transudates and exudates

#### **SURGICAL NURSING:**

This course is designed to enable the students to recognize the etiology, pathophysiology, clinical manifestations, diagnosis and management of patients with common surgical conditions and provide comprehensive nursing care based on nursing process during the pre operative, intra operative, and post operative period.

#### **Course objectives:**

At completion of the course the student is able to:

1. Describe the concepts of surgical nursing.
2. Identify the current trends in surgery and surgical nursing.
3. Identify the role of nurses in the management of a patient undergoing surgery.
4. Describe the organization and physical set up of Operation Theatre
5. Identify the instruments and equipments used for common surgical procedures
6. Describe the perioperative nursing care
7. Describe the infection control measures in the operation theatre
8. Describe the care of patients undergoing anesthesia
9. Describe the pre and post operative management of patients undergoing Gastrointestinal surgeries, renal and genito urinary surgeries, thoracic & vascular surgeries.
10. Describe the pre & Post operative management of patients with musculoskeletal disorders and miscellaneous surgical conditions.

## **THIRD YEAR B.SC NURSING:**

### **MEDICAL SURGICAL NURSING–II (ADULT INCLUDING GERIATRICS) –II:**

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.

#### **Course 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

### **CHILD HEALTH NURSING:**

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.

#### **Course 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.

### **MENTAL HEALTH NURSING:**

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.

**Course 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
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.

**NURSING RESEARCH AND STATISTICS:**

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.

**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



## **FOURTH YEAR B.SC NURSING:**

### **OBSTETRICAL AND GYNAECOLOGICAL NURSING:**

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.

### **COMMUNITY HEALTH NURSING – II:**

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

### **MANAGEMENT OF NURSING SERVICE & EDUCATION:**

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.

**NURSING EDUCATION:**

This course is designed to help the students to develop an understanding of the principles and methods of teaching and to equip the students with the beginning skills in teaching in clinical, community health and educational settings.

**Course objectives:**

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

1. Explain principles of education
2. Recognize the educational philosophies in nursing education
3. Explain the laws of learning and methods of teaching
4. Explain the principles of curriculum planning
5. Explain the classification of educational objectives
6. Demonstrate skill in teaching in all settings using various methods and medias
7. Prepare and use different types of educational media effectively
8. Construct different types of questions for assessment of knowledge skills and attitudes
9. Develop basic skill of counseling and guidance.