



**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**  
**POST BASIC B.SC NURSING**

**FIRST YEAR P.B B. SC NURSING:**

**MICROBIOLOGY:**

This course is designed to reorient 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 micro organisms.

**Course objectives:**

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

1. Explain the basics of micro organisms, microscope and common examinations
2. Identify the micro organisms using Laboratory methods
3. Describe the growth and nutrition of microbes
4. Discuss the methods of destruction of micro organisms.
5. Identify the disease producing micro organisms
6. Explain about the pathogenic Fungi, parasites and vectors.
7. Discuss viruses and the diseases caused by it.
8. Describe about micro organisms transmitted through food

**NUTRITION & DIETETICS:**

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

**Course objectives:**

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

1. Explain the principles and practices of nutrition and dietetics
2. Plan therapeutic diets in different settings
3. Identify nutritional needs of Infant and child

4. Identify nutritional needs of different age groups and plan diet accordingly

## **BIOCHEMISTRY AND BIOPHYSICS:**

### **SECTION A (BIOCHEMISTRY) :**

This course introduces the basic principles of Biochemistry and Biophysics related to nursing.

#### **Course objectives:**

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

1. Describe the importance of biochemistry in nursing
2. Explain about fluid and electrolyte balance of the body
3. Discuss about clinical enzymology
4. Explain the metabolism of carbohydrate, Aminoacids, Lipids and proteins.

### **SECTION B (BIOPHYSICS):**

#### **Course objectives:**

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

1. Explain the basic concepts of biophysics
2. Describe about the Vector and scalar motion, speed, velocity and acceleration
3. Discuss about gravity and its principles
4. Explain about the force and energy of the body
5. Describe about heat the effects use and principles
6. Discuss about Light and laws of reflection
7. Explain about pressure and its types
8. Describe about Sound and its principles
9. Discuss the principles of electricity and uses in medical field
10. Describe about the principles of electronics

## **PSYCHOLOGY:**

This course is designed to reorient and widen the student's knowledge of fundamentals of psychology. The student is offered an opportunity to apply the theoretical concepts in the clinical setting and thereby understand the psychodynamics of patient behavior. This course clinical setting and thereby understand the psychodynamics of patient would also help the student to develop an insight into her own behavior.

#### **Course objectives:**

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

1. Define psychology its scope and methods
2. Describe about sensory process and perception
3. Explain motivation frustration conflicts and self actualization
4. Discuss about Emotions , Personality
5. Explain about the psychological aspects of nursing
6. Discuss about the individual difference in health and sickness

7. Describe the intelligence and abilities
8. Describe about the concept of mental health and mental hygiene

### **NURSING FOUNDATION:**

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

#### **Course objectives:**

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

1. Identify the professional aspects of nursing
2. Explain the ethical concepts of health , illness and developme ntal stages of individual.
3. Explain theories of nursing
4. Appreciate the significance of quality assurance and role of nurse in various levels of health services
5. Explain the current trends and concepts in health and nursing.
6. Perform nursing care according to the current concept
7. Identify the role of nurse in various levels of care

### **MATERNAL HEALTH NURSING:**

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

#### **Course objectives:**

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

1. Explain the anatomy and physiology of female reproductive system
2. Develop skill in providing nursing care in the normal pregnancy labour and puerperium
3. Identify and manage abnormal pregnancy,lab our and puerperium
4. Learn the management of common gynaecological conditions
5. Provide care for high risk pregnancy cases
6. Provide care for women with abnormal vaginal delivery
7. Provide nursing care to postnatal mother and baby
8. Provide counseling and teaching for mother and family for parenthood.
9. Provide counseling and family welfare services
10. Perform assessment and management of various gynecological problems

### **CHILD HEALTH NURSING:**

This course is aimed at developing an understanding of the modern approach to childcare, the

common health problems of children and neonates in health and sickness.

**Course objectives:**

At the end of the course the students are 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 at different ages
3. Identify the behavioural problems in children and its management
4. Provide nursing care to children with various medical disorders
5. Provide counseling and education to parents
6. Recognize different pediatric surgical conditions/malformations
7. Provide pre and post operative care to children with common pediatric surgical conditions
8. Perform assessment of children- developmental and anthropometric
9. Perform immunization
10. Provide nursing care to critically ill children

**ADVANCED MEDICAL AND SURGICAL NURSING:**

The purpose of this course is to widen the student's knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant anatomy and physiology, pathophysiology in medical- surgical disorders and the nursing management of these conditions.

**Course objectives:**

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

1. Appreciate the new concept in medical surgical nursing
2. Describe the common symptoms problems and their specific nursing interactions
3. Describe the Etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management of patients with cardiovascular problems
4. Identify the nursing management of patients in emergencies
5. Provide nursing care to patients with various medical disorders and emergencies
6. Provide comprehensive nursing care to patients with cardiothoracic conditions
7. Provide nursing care to patients with musculo skeletal, neurologic conditions
8. Provide pre and post operative nursing care to patients with genitourinary disorders

**ENGLISH:**

This course is designed to help the student to understand the usage of English language required

for their professional work.

**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.

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

**SOCIOLOGY:**

This course is designed to reorient students to 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 students are able to:

1. Identify the basic concepts in sociology
2. Describe the relationship of individual in society and community
3. Describe the influence of culture and socialization on health and disease.
4. Identify the various social process and social systems
5. Describe the major social institutions in India and its influence on health practices
6. Describe the role of the nurse in dealing with social problems in India

**COMMUNITY HEALTH NURSING:**

The course enables the students to understand the national health care delivery system and to participate in the delivery of community health nursing.

**Course objectives:**

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

1. Define the concepts, scope, principles and historical development of Community health Nursing
2. Explain the concept of family health care and family health nursing process
3. Describe health plans, policies various health committees and health problems in India
4. Describe the system of delivery of community health services in rural and urban areas
5. Explain the components of health services
6. Describe alternative systems of health
7. Describe the roles and responsibilities of community health nursing personnel in major components of health programmes
8. Describe and appreciate the activities of community health nurse in Health education
9. Describe the concepts of Epidemiology & its application in Community health nursing
10. Explain the concepts of Biostatistics & Vital Statistics in community health
11. Identify community profile-Identify prevalent communicable diseases
12. Diagnose health needs of individual, families and community
13. Participate in the activities of PHC.

14. Participate in school health program, National health programmes
15. Organize group for self help and involve clients in their own health activities
16. Counsel and educate individual, family and community
17. Collect Vital health statistics
18. Maintain Records & reports

### **MENTAL HEALTH NURSING:**

This course is designed for the students to recognize the modern approach to mental health and understand the causes, symptoms and process of human abnormal behavior. This course helps the student to learn principles of psychiatric nursing and to identify prevention 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 the students are able to:

1. Defines the various terms used in mental health nursing
2. Explains the classification of mental disorders
3. Describe the conceptual models of mental health nursing
4. Identify therapeutic communication techniques
5. Assess patients with mental health problems
6. Observe and assist in therapies
7. Counsel and educate patient, and families
8. Assess patients and children with various mental health problems
9. Identify patients with various mental disorders

### **INTRODUCTION TO NURSING EDUCATION:**

This course introduces the students to principles and concepts of education curriculum development and methods and media of teaching. It also describes the steps in curriculum development and implementation of educational programs in Nursing .

#### **Course objectives:**

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

1. Explain principles of education
2. Recognize the educational philosophies in nursing education
3. Describe the characteristics of learning
4. Explain the principles of curriculum planning
5. Explain the classification of educational objectives
6. List the qualities of educational objective
7. Demonstrate skill in teaching in all settings using various methods and medias
8. Prepare and use different types of educational media effectively
9. Prepare different types of questions for assessment of knowledge skills and attitudes
10. Develop knowledge and skill in the management of school of nursing
11. Develop skill in planning and organizing in service education programme

### **INTRODUCTION TO NURSING ADMINISTRATION:**

This course designed to give an opportunity to the students to gain an understanding of the principles of

administration and its application to nursing service. It also intended to assist the students to develop and understanding of professional leadership need.

**Course objectives:**

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

1. Explain the principles and functions of Management
2. Explain the principles and practice of personnel management, supervision, material management and financial management
3. Describe the duties and responsibilities of various categories of nursing personnel
4. Perform clinical supervision of students
5. Appraise role of nurse manager in hospital

**INTRODUCTION TO NURSING RESEARCH AND STATISTICS:**

This course is designed to assist the students to develop an understanding of basic concept of research and statistics, use the findings of nursing research in nursing practice, apply the knowledge to solve the problems related to nursing.

**Course objectives:**

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

1. Describe the concept of research, terms, need and areas of research in nursing -Explain the steps of research process.
2. Identify and state the research problems and objectives
3. Describe the research approaches and designs
4. Explain the sampling process & Describe the methods of data collection
5. Analyze, interpret and summarize the research data
6. Communication and utilization of research findings
7. Explain the use of statistics, scales of measurement and graphical presentation of data
8. Describe the measures of central tendency and variability and methods of correlation
9. Develop basic skills in computer application in the field of nursing