



# AMALA COLLEGE OF NURSING

(An undertaking of Amala Cancer Hospital Society)

Amala Nagar P.O., Thrissur-680 555, Kerala, India.

Website : [www.amalanursingcollege.org](http://www.amalanursingcollege.org)

**FIRST CYCLE NAAC ACCREDITATION 2022**

## CRITERION 1

## CURRICULAR ASPECTS

### 1.2 Academic Flexibility

#### *1.2.2 Syllabus of Add-on Courses*

*Submitted to*



**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

# **SYLLABUS**

## **INFECTION CONTROL CERTIFICATION PROGRAMME**



**AMALA COLLEGE OF NURSING  
AMALA NAGAR, THRISSUR - 680555**

# AMALA COLLEGE OF NURSING

AMALA NAGAR P. O, THRISSUR - 680555



## PREFACE

Amala Institute of Medical Sciences, named after Mary Immaculate, is a Minority Christian Institution, which is open to all irrespective of religion, caste or creed. It aims at giving effective training to the youth to become nursing professionals devoted to the healing ministry, especially in the rural areas. It also strives to strengthen the quality of service offered in the large number of medical institutions run by the community. AIMS is a Unit of Amala Cancer Hospital Society managed by the Devamatha Province of the Carmelites of Mary Immaculate (CMI), founded by St. Kuriakose Elias Chavara, a sage-cum-savant. Amala, at present, offers an MBBS, Medical PG courses, Ph.D. Nursing, M.Sc. Nursing and B.Sc. Nursing courses and is affiliated to the Kerala University of Health Sciences. Students are admitted to this institute as per the admission procedure stipulated by the concerned authorities and in the tenor of the admission policy of the management.

# CONTENT

<b>Sl. No.</b>	<b>Content</b>	<b>Page No</b>
1	Course Description	4
2	Aims and Objectives	5
3	Course Outline	6-8
4	Methods of Teaching and Evaluation, Credentialing	9
5	References	10

**Placement: First year B.Sc. Nursing**

*Theory* : 40 hours

*Practical* : 4 hours

**Title : Infection Control Certification Programme**

**COURSE DESCRIPTION:**

Infection prevention and control is an integral part of health care delivery. Nurses and allied health care professionals have an important role in preventing and controlling hospital acquired infections.

This programme is designed to provide a comprehensive training for nursing students to enable them to take responsibility over hospital infection control practices. The course is scheduled over nine weeks with two contact hours per week. To augment the theory learning experience hands on sessions and field visits are arranged for essential infection control practices.

## **AIMS AND OBJECTIVES:**

### **AIMS**

The aim of infection control certification programme is to prepare nursing students with expertise which is essential for effective implementation of infection control practices for the maintenance of safe hospital environment and health care practices.

### **OBJECTIVES:**

On the completion of the certificate programme the students will be able to:

1. Apply concepts and theories and principles of infection control in clinical practice.
2. Demonstrate skill in use of PPE and barrier nursing
3. Practice safe disposal of bio-medical waste
4. Adapts measures for prevention and reporting of needle stick injury
5. Describe quality indicators of infection prevention
6. Describes the protocol for spill management
7. Demonstrates skill in ensuring patients safety
8. Adapts professional responsibility for infection prevention.

## COURSE OUTLINE:

<b>Sl. No.</b>	<b>Time allotted</b>	<b>Learning Objective</b>	<b>Content</b>	<b>Teaching learning activity</b>	<b>Assessment</b>
1	4 hours	Apply concepts and theories and principles of infection control in clinical practice	Introduction to infection control; Definition, nature of infection, chain of infection, methods of transmission, types of infection and hospital acquired infection	Lecture cum discussion	Short answer type question
2	8 hours	Demonstrate skill in use of PPE and barrier nursing	Barrier nursing: medical and surgical asepsis, hand washing moments and steps, isolation types, personal protective equipment, types, use, techniques of wearing and removal, universal safety precaution	Lecture cum discussion, Demonstration	Re-demonstration, Short answer type question
3	4 hours	Practice safe disposal of bio-medical waste	Biomedical waste management : Importance of BMW, Types of hospital waste, hazards of hospital waste, treatment of hospital waste, Safe disposal and segregation of hospital waste	Lecture cum discussion, Field Visit	Short answer type question, Observation report

<b>Sl. No.</b>	<b>Time allotted</b>	<b>Learning Objective</b>	<b>Content</b>	<b>Teaching learning activity</b>	<b>Assessment</b>
4	4 hours	Adapts measures for prevention and reporting of needle stick injury	Needle stick injury : Prevention, reporting and management of needle stick injury, post exposure prophylaxes of HIV, HbsAg, Hepatitis C	Lecture cum discussion	Short answer type question
5	10 hours	Describe quality indicators of infection prevention.	Assessment of quality indicators and management of HAI: <ul style="list-style-type: none"> <li>▪ Key indicators of HAI; SSI, CAI, VAP, CLABSI</li> <li>▪ Care bundles for SSI, CAI, VAP, CLABSI</li> </ul> Protocol for IV cannulation – maintenance, change and documentation	Lecture cum discussion	Short answer type question
6	4 hours	Describes the protocol for spill management	Spill management – Blood, metals, chemicals, chemotherapeutic drugs	Lecture cum discussion Demonstration	Short answer type question, Re-demonstration



<b>Sl. No.</b>	<b>Time allotted</b>	<b>Learning Objective</b>	<b>Content</b>	<b>Teaching learning activity</b>	<b>Assessment</b>
7	2 hours	Demonstrates skill in ensuring patients safety.	Improving patients safety through infection control: Patient safety goals and role of nurse	Lecture cum discussion	Short answer type question
8	4 hours	Adapts professional responsibility for infection prevention.	Role of nurse in infection control ; professional responsibilities Principles of cleaning, disinfection and sterilization	Lecture cum discussion	Short answer type question

### **METHODS OF TEACHING:**

The core module for infection control includes classroom teaching, discussion, demonstration, field visit. All the essential skills will be demonstrated to the students and practice sessions will be arranged. A field visit will be arranged to incineration plant and CSSD students are required to submit a observation report following the visit.

### **METHOD OF EVALUATION:**

Evaluation will be conducted at the completion of the course using a structured questionnaire containing 50 objective type questions carrying 50 marks.

### **CREDENTIALING:**

Students will be awarded with one credit hour on successfully completing the course.

## **REFERENCES:**

1. Hospital acquired infections – prevention and control by Purva Mathur.  
Publisher: Lippincott Williams and Wilkins.
2. National, CDC, WHO guidelines on Infection Control
3. Journals:
  - Journal of Hospital Infection
  - Journal of Patient safety and infection control
  - American Journal of Infection Control

# **AMALA COLLEGE OF NURSING**

## **VISION**

To establish a Center of Excellence providing value- added education that combines effective teaching, focused academic exposure, and productive research with the aim of training healthcare personnel with professionalism and spirit of love and service as their hallmarks.

## **MISSION**

We constantly seek to recruit brilliant staff and provide state-of-the art infrastructure in an Eco-friendly ambience with a view to challenging the students to become forward-looking dedicated graduate nurses imbued with compassionate love towards all, especially the poor and the marginalized.



# **AMALA COLLEGE OF NURSING**

**AMALA NAGAR P. O, THRISSUR - 680555**