



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

**Value Added Course**

**Critical care nursing**

**Course Code - YN102**

**TESTED**

Dr.Gangadhara Somayaji K.S.  
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Principal / Dean  
Yenepoya Nursing College  
Deralakatte  
Mangalore-575018

## Evaluation

- Examination will be conducted by Yenepoya Nursing College affiliated to Yenepoya (Deemed to be University).
- Eligibility to appear for University Exam
  - i. 80% attendance in theory
  - ii. 100% attendance in practical
- Criteria for pass: Minimum 50% marks each in internal Assessment and final assessment

**STUDENT INTAKE:** 20 students

**PLACEMENT OF SUBJECT:** IV BSc Nursing

## Award of Certificate

- a) Certificate will be awarded by Yenepoya Nursing College which is affiliated to Yenepoya (Deemed to be University).

**Submission of application:** Beginning of the academic year

### For further information contact:

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**YENEPOYA NURSING COLLEGE**  
A Constituent College of Yenepoya (Deemed to be University)  
University road, Deralakatte, Mangaluru -575018



# ADD-ON COURSES FOR STUDENTS

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## Preamble

Professionally qualified graduates with a sound knowledge of their core disciplines and expertise will have more employment opportunities in the future. Industry demands professionally graduates who possess adequate skills.

## Scope and Need

Nursing is a complex and challenging profession. Nursing professionals must learn and practice multiple skills as they move from beginner to advanced level in their career. At the basic level, nursing students must learn the psychomotor skills to perform various procedures and treatments. At higher level, working nurses need to apply the theoretical and evidenced based information that underpins task performance. Offering value added courses are the best measures to identify the interest of graduating nurses and to equip them with essential skills

## Career prospects

Pursuing add-on/value added courses will definitely add more value to a candidate's transcript and curriculum Vitae. The candidate is more likely to be considered for the job.

## Courses offered:

Add on course gives an opportunity to obtain additional certificates during the B.Sc(N) programme.

SL NO	NAME OF THE COURSE	DEPARTEMENT
1.	Critical Care Nursing	Medical Surgical Nursing
2.	Dialysis Nursing	Medical Surgical Nursing
3.	Disaster Management	Community Health Nursing
4.	Gero- Psychiatric Nursing	Mental Health Nursing
5.	Critical Care in Obstetrical Nursing	Obstetrics and Gynaecological Nursing

## Eligibility


Candidates who have enrolled for BSc Nursing course

### DURATION INCLUDING THEORY AND PRACTICAL HOURS

Theory: 30 hours

Practical: 90 hours

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# Contents

## YENEPOYA NURSING COLLEGE YENEPOYA DEEMED TO BE UNIVERSITY Critical Care Nursing

### Preamble:

Add-on Course in Critical Care Nursing helps the student nurses to practice in clinical settings where patients require complex assessment, high-intensity therapies, interventions and continuous nursing vigilance. It helps to incorporate specialized body of knowledge, skills and experience for effective delivery of care to patients and families.

### Scope and need:


In healthcare system, the nurses assume a pivotal role in the delivery of quality healthcare and the enhancement of nursing profession can be best achieved by an education appropriate to the advances made in medicine and technology. Though the Basic Nursing programme prepares a “Nurse to be” the training is limited to developing the basic skills and concept in nursing practice. With accelerating scientific, technical and social changes, the nurses are challenged to be more accountable. About 20% of total patients admitted in the hospital are treated in the critical care units & approximately 12-15% in other specialty units. The clients in the critical stage demand quality care. Therefore the nurses too have to respond to changing times and new demands by taking added responsibilities and expanded roles. The modern critical care units and other specialty units in the organization calls for an advanced training program in nursing. The nurses need training to function effectively in modern critical care units. The planned, organized learning experience designed to augment the advanced knowledge, skills and attitudes of these nurses will ensure for giving comprehensive nursing care in a modern specialty hospital.

### Career opportunities:

After the completion of course nurse can work in the critical care units of various hospital settings.

### Course objectives:

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The purpose of this course is to improve the knowledge and skills of the student nurses regarding care of critical illness, so that they can provide good quality care to patients suffering from multiple critical illness problems.

At the completion of course learner will be able to:

- understand the basics of infection control measures in ICU
- perform Disinfection, Sterilization and Standard safety measures.
- identify nurses role in various invasive and non invasive procedures
- Analyze the role of nurse in common emergency conditions
- design a layout of ICU and develop standards for critical care nursing practice.
- discuss the legal and ethical issues in critical care nursing


THEORY-30

HOURS

PRACTICAL -90

HOURS

Unit No	Hours	Objectives	Content	Method of teaching
I	T:5 hrs P:10 hrs	understand the basics of infection control measures in ICU	<b>Basics of infection control measures in ICU</b>  Hand washing <ul style="list-style-type: none"> <li>• Scrubbing</li> <li>• Gowning and Gloving</li> <li>• Principles of universal precautions</li> <li>• Nosocomial infection in intensive care unit</li> <li>• Methicillin Resistant Staphylococcus Aureus (MRSA)</li> <li>• Disinfection, Sterilization</li> <li>• Standard safety measures</li> <li>• Prophylaxis for staff</li> </ul>	Lecture discussion  Demonstration  Supervised clinical practice


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			<ul style="list-style-type: none"> <li>• Role of nurse in infection control and bio medical waste management</li> </ul>	
II	T:10 hrs P:40 hrs	Identify nurses role in various invasive and non invasive procedures	<b>Basics of critical care and role of a nurse</b> <ul style="list-style-type: none"> <li>• Care of Central Lines</li> <li>• Basic Hemodynamic Monitoring</li> <li>• ECG Monitoring</li> <li>• Use of artificial airway</li> <li>• Suctioning-oropharyngeal, Nasotracheal,</li> <li>• Endotrachel intubation</li> <li>• Tracheostomy and its care</li> <li>• Mechanical ventilation, modes, indications, complications, assessment and interventions of ventilated patient</li> <li>• JVP, CVP monitoring</li> <li>• Defibrillation</li> <li>• Cardioversion</li> <li>• Pacemaker</li> <li>• ABG interpretation</li> <li>• BLS,ACLS : Overview</li> </ul>	Lecture discussion  Demonstration  Supervised clinical practice
III	T:5 hrs P:20 hrs	Analyze the role of nurse in common emergency conditions	<b>Nursing management of common emergency conditions:</b> <ul style="list-style-type: none"> <li>• Cardiovascular, respiratory, endocrine, burns, renal, neuro, GI musculoskeletal emergencies and management</li> <li>• Shock: Shock syndrome, Hypovolemic, Anaphylatic, and</li> </ul>	Lecture discussion  clinical practice

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			<p>Septic shock.</p> <ul style="list-style-type: none"> <li>• Drug Overdose and poisoning</li> </ul>	
IV	T:10 hrs P:20 hrs	<p>Design a layout of ICU and develop standards for critical care nursing practice.</p> <p>Discuss the legal and ethical issues in critical care nursing</p>	<p><b>Ideal ICU setting and ethico-legal issues</b></p> <ul style="list-style-type: none"> <li>• Standards, protocols, policies, procedures</li> <li>• Nursing audit</li> <li>• Staffing</li> <li>• Design of ICU</li> <li>• Quality assurance</li> <li>• Burn out syndrome</li> </ul> <p>Nurse's role in:</p> <ul style="list-style-type: none"> <li>• Consent</li> <li>• Medico legal issue</li> <li>• Medical documentation</li> <li>• Use of restraints</li> <li>• Brain death</li> <li>• Organ donation and Counseling</li> <li>• Do not Resuscitate (DNR) order</li> <li>• Euthanasia</li> <li>• Living will</li> </ul>	<p>Lecture discussion</p> <p>Supervised clinical practice</p>

**Regulations:**

- 1. Title of the course:** Add-on course on Critical Care nursing
- 2. Eligibility:** Candidates who are pursuing Basic B.Sc Nursing course
- 3. Placement:** Offered for IV year B.Sc (N) students during Internship
- 4. Annual Intake (No of seats):** 20
- 5. Duration of the course:**

**Including hours of theory/practical:**

  
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- Theory:30 hours
- Practical: 90 hours

**6. Additional faculty requirements:**

- Guest Faculty specialized in critical care treatment
- Staff nurses working in coronary care unit/ICCU
- Intensivist

**8. Additional infrastructure required: One class room**

**9. Attendance:** A candidate must have a minimum 80% attendance in theory and practical, in each subject, for appearing for examinations, irrespective of the kind of absence she/he may have had.

**Criteria for eligibility to appear for exam:**

- Theory: 80%
- Practical:100%

**10. Evaluation:**

- **Formative evaluation:** Group activity, case discussion, Demonstration, assignment
- **Conduct of final college examinations :** Online MCQ test – 40 marks

**11.Criteria for pass:** In order to pass a candidate should obtain at least 50% marks aggregate including internal Assessment and marks obtained in the examination conducted by the department of Medical Surgical Nursing, Yenepoya NursingCollege.

**Grading:**


- 90% to100% - A<sup>+</sup>
- 80% to 89% - A
- 70% to 79% - B<sup>+</sup>
- 60% to 69% - B
- 50% to 59% - C

**12. Award of Certificate**

**TITLE:** Add-on course **Critical Care nursing** will be awarded by **Yenepoya Nursing College**.

**13. Library/ Requirements of books:** Central Library contains a collection of updated new editions of books, journals and periodicals. For the benefit of students, the central library remains open from 9am to 12 midnight.

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14. **Stipend:** nil

15. **Date of commencement:** academic year 2019-2020 onwards

16. **References**

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7. **Canon C, Steinberg B.** *Evidence-based cardiology.* 3<sup>rd</sup> ed. Philadelphia: Lippincott Williams & Wilkins; 2011.

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