



School of  
Health Sciences

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**DIPLOMA IN CRITICAL  
CARE NURSING  
(DCCN)**

**Information Brochure**



**Indira Gandhi National Open  
University  
Maidan Garhi,  
New Delhi-110068**

## INDIRA GANDHI NATIONAL OPEN UNIVERSITY

The Indira Gandhi National Open University (IGNOU), established by an Act of Parliament in 1985, has continuously striven to build an inclusive knowledge society through inclusive education. It has tried to increase the Gross Enrollment Ratio (GER) by offering high-quality teaching through the Open and Distance Learning (ODL) mode.

The University began by offering two academic programmes in 1987, i.e., Diploma in Management and Diploma in Distance Education, with a strength of 4,528 students.

Today, it serves the educational aspirations of over 3 million students in India and other countries through 21 Schools of Studies and a network of 67 regional centres, around 2,667 learner support centres and 29 overseas partner institutions. The University offers about 228 certificate, diploma, degree and doctoral programmes, with a strength of nearly 810 faculty members and 574 academic staff at the headquarters and regional centres and about 33,212 academic counsellors from conventional institutions of higher learning, professional organizations, and industry among others.

## SCHOOL OF HEALTH SCIENCES

The School of Health Sciences was set up in 1991 with the objective of augmenting educational avenues and providing in-service training to medical, nursing, paramedical and allied personnel through the distance education mode.

The School is pioneer in developing competency-based programmes in various disciplines of Health Sciences. Hands-on training is provided by diversified approaches through a network of medical colleges, nursing colleges, district level hospitals and community health centres and NGO's. The programmes in nursing and health sciences are being developed so as to revolutionize career opportunities available to nursing and medical personnel.

The main functions of the School are as follows:

- Planning, developing and launching of degree, diploma and certificate level programmes/courses for various categories of health professionals.
- Health related awareness courses for the general public.
- Conducting research on health related issues.

## Diploma in Critical Care Nursing (DCCN)

Due to the unprecedented growth of specialty and super specialty hospitals in govt. and corporate sector in the country, there is a rise in number of critical care units to meet the health care needs of critically ill patients. The unstable nature of critically ill patients and the use of wide variety of technological knowledge and devices in diagnosis, treatment and care of critically ill patients, focuses on the need for specialized nursing care. Registered Nurses at Diploma and B.Sc. Nursing level are prepared as generalist nurses to provide general care to the patients in hospital and community. They require additional qualification to be able to work in various critical care settings. The diploma programme in critical care nursing will equip the nursing professionals with advanced knowledge and skills to provide quality need based care to the patients and family in variety of critical care setting .

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The Programme will cater to the training requirement of unreached population of our country. There is an urgent need for training Nurses in critical care to meet the health care needs of critically ill patients. Nurses need to have formal training in theory and Practical before working in critical care units. The programme will enable the nurses to get an opportunity to work in critical care and specialty areas with in large and small hospitals.

## Objectives

The main objectives of the programme are as follows:

- Provide opportunity to a large segment of in-service nurses to upgrade their knowledge and skills to respond to the changing health needs of the Critically ill patients.
- Develop and apply advanced Nursing care knowledge in Critical Care settings.
- Acquire proficiency in applying advanced skills in Caring Critically ill patients
- Function as Critical Care Nurse Specialist and Practitioner.
- Educate Nursing Professionals in Critical Care Nursing.

**Academic Session** : January cycle

**Eligibility** : In-service Registered Nurses (RN) and (RNRM) at all levels, Diploma in General Nursing and Midwifery (GNM) and or B.Sc. in Nursing / M.Sc. Nursing

**Programme Fee** : Rs. 6,000/-

**Age of Admission** : There is no maximum age limit

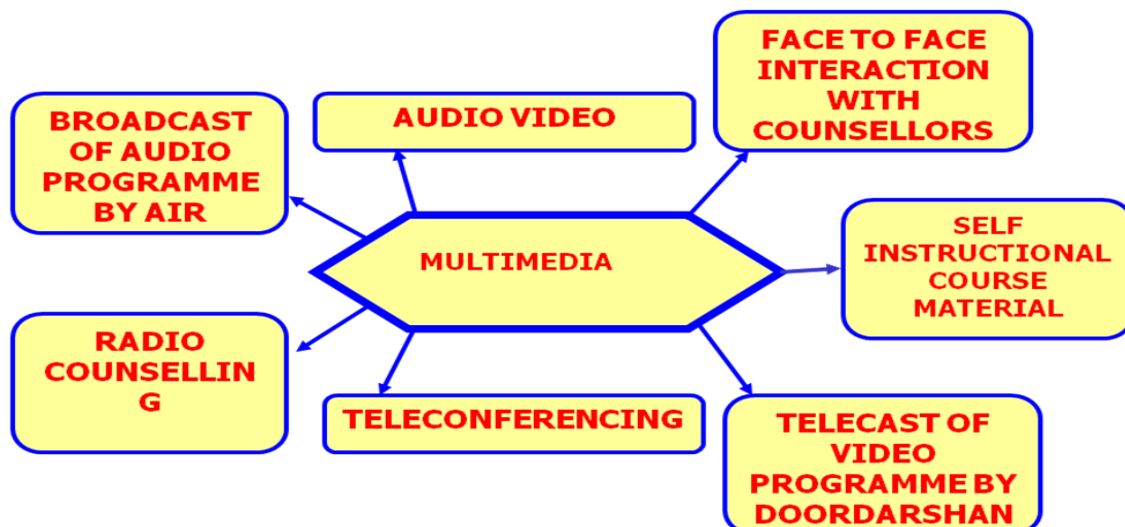
**Medium of Instruction** : English

**Admission/Selection Procedure:** The selection of learners will be made on the basis of minimum qualification (eligibility criteria). If the number of candidates exceeds the maximum required number of 30 students per PSC, the students can be allotted other PSC as per the option given in application form.

**Duration of Programme** : 1 year minimum with maximum of 3 years duration

## Instructional Approach

Programme is delivered through multimedia package consisting of print material in the form of blocks, A.V. Aids, Teleconferencing, Radio Broadcast, contact sessions at study centre and practical sessions. There will be two theory courses and one practical course.



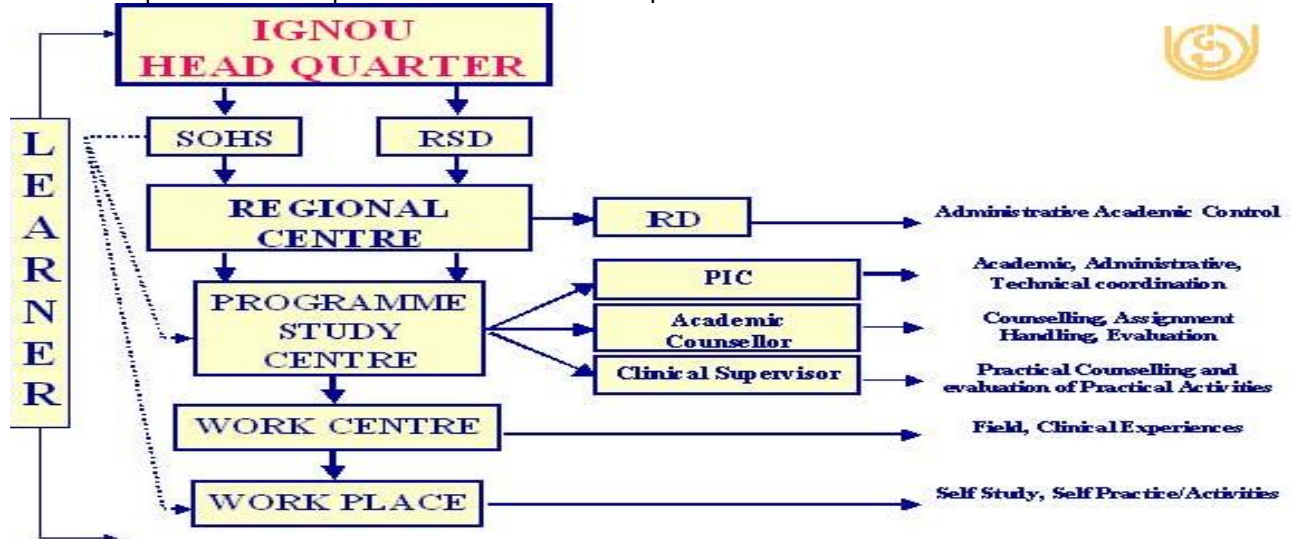
## Broad Programme Design

Courses	Course codes and titles	Block and Block titles	Unit and Unit Titles
Theory courses	Course Code: BNS-031 Title of the Course : Nursing Management in Critical Care Conditions	Block 1 Concepts And Principles In Critical Care Nursing	Unit 1 - Concepts and Current Trends in Critical Care Unit 2 – Nursing Process in Critical Care Nursing Unit 3 – General Assessment of Patients in Critical Illnesses Unit 4 – Special consideration in management of Critically ill patients – I Unit 5 –Special consideration in management of Critically ill patients – II Unit 6 – Immunity and Dynamics of Healing
		Block 2 – Psychological and Social Aspects In Care Of Critically Ill Patients	Unit 1 – Individual and Family Response to Critical Illness Unit 2 - Stress and Crisis Management in Critical Care Unit 3 – Guidance and Counselling Unit 4 – Therapeutic Communication and Interpersonal Relationship
		Block 3 - Therapeutic Interventions	Unit 1 - Pharmacological interventions Unit 2 - Fluid and electrolyte management Unit 3 - Acid base management Unit 4 - Blood and its component Unit 5 - Nutritional management Unit 6 - Hemodynamic monitoring
		Block 4 - Infection Control In Critical Care Unit	Unit 1 - Asepsis and Health Care Associated infection. Unit 2 - Infection Control Protocols Unit 3 - Biomedical Waste Management
		Block 5 - Introduction to Management Of Critical Care Unit	Unit 1- Organization and evolution of critical care unit Unit 2 - Role of Nurse in Transportation of Critically Ill Patient Unit 3 - Quality Assurance and Nursing Standards in Critical Care Unit Unit 4 - Supervision in Critical Care Unit Unit 5 - Staff Development and training Unit 6 - Ethical and medico-legal aspects in Critical Care Nursing
		Block 6 - Teaching Learning Process, Research And Statistics	Unit1 - Teaching Learning In Clinical Setting Unit 2 - Nursing Research And Evidence Based Nursing Practice Unit 3 - Overview of research process Unit 4 - Research Methodology Unit 5 - Analysis and Interpretation of Data Unit 6 - Computers in Nursing
	Course Code: BNS-032 Title of the Course : Nursing Management in Critical Care Conditions	Block 1 Introduction to Critical Care Nursing	Unit 1 - Concepts and Current Trends in Critical Care Unit 2 - Nursing Process in Critical Care Nursing Unit 3 - General Assessment of Patients in Critical Illnesses Unit 4 - Special consideration in management of Critically ill patients – Hydration, Oxygenation and Nutrition Unit 5 -Special consideration in management of Critically ill patients – Pain, Rest, Comfort and Sleep Unit 6 - Immunity and Dynamics of Healing
		Block 2 - Psychological And Social Aspects In Care Of Critically Ill Patients	Unit 1- Individual and Family Response to Critical Illness Unit 2- Stress and Crisis Management in Critical Care Unit 3 - Guidance and Counselling Unit 4 - Therapeutic Communication and Interpersonal Relationship (IPR)
		Block 3 - Therapeutic Interventions	Unit1 - Pharmacological interventions Unit 2- Fluid and electrolyte management Unit 3 - Acid base management Unit 4 - Blood and its component Unit 5 - Nutritional management Unit 6 - Hemodynamic monitoring
		Block 4 - Infection Control in Critical Care Unit	Unit 1 - Asepsis and Health Care Associated infections Unit 2 - Infection Control Protocols Unit 3 - Biomedical Waste Management
		Block 5 - Introduction to Management of Critical Care Unit	Unit 1- Organization and evolution of critical care unit Unit 2 - Role of Nurse in Transportation of Critically Ill Patient Unit 3 - Quality Assurance and Nursing Standards in Critical Care Unit Unit 4 - Supervision in Critical Care Unit Unit 5 - Staff Development and training Unit 6 - Ethical and medico-legal aspects in Critical Care Nursing

		Block 6 - Care Of Critically Ill Patients With Various Emergency Conditions	Unit 1 - Burn Unit 2 - Poly trauma, multiple organ failure, organ transplantation, triage, coding. Unit 3 - Shock, Septicemia, multiple organ dysfunction syndrome, Disseminated intravascular coagulation Unit 4 - Drug over dose and poisoning, Anaphylaxis Unit 5 - Drowning
Practical courses	Course Code: BNSL-033 Title of the Course : Clinical Nursing Practice in Critical Care-1	Block 1 - Role of Nurse in Diagnostic and therapeutic procedures in Critical Care Settings – Gastro intestinal System	Practical – 1 Assessment related to Gastrointestinal System Practical– 2 Non-invasive Procedures Practical– 3 Invasive Procedures Practical– 4 Therapeutic procedures
		Block 2 - Role Of Nurse In Diagnostic And Therapeutic Procedures In Critical Care Settings – Respiratory System	Practical– 1 Assessment of Respiratory System Practical– 2 Non- Invasive Procedures Practical– 3 Invasive Procedures Practical– 4 Airway Management Practical– 5 Oxygen Therapy Practical– 6 Mechanical Therapy Practical– 7 Physical Therapy and Chest Drainage
		Block 3 - Role of Nurse in Diagnostic and therapeutic procedures in Critical Care Settings – Cardiovascular system	Practical– 1 Cardiac Assessment Practical– 2 Non- Invasive Diagnostic Procedures Practical– 3 Invasive Diagnostic Procedures Practical– 4 Therapeutic Procedures Practical– 5 Cardio Pulmonary Resuscitation
		Block 4 - Role of Nurse In Diagnostic And Therapeutic Procedures In Critical Care Settings – Nervous System	Practical - 1 Neurological Assessment and Monitoring Practical - 2 Noninvasive Neurological Procedures Practical - 3 Invasive Neurological Procedures
		Block – 5 Role of Nurse in diagnostic of therapeutic procedures in critical care nursing - Renal System	Practical – 1 Assessment of Renal system Practical – 2 Non invasive Procedures Practical – 3 Invasive Procedures Practical – 4 Therapeutic Procedures
	Course Code: BNSL-034 Title of the Course : Clinical Nursing Practice in Critical Care - II	Block 1 - Nursing Intervention Modalities	Practical – 1 Nursing Care Plan Practical–2 Nursing case study / case presentation Practical – 3 Observation Checklist Practical – 4 Conducting Clinical Teaching Practical – 5 Preparing a Clinical Rotation Plan Practical – 6 Patient Care Documentation, Records and Reports Practical – 7 Design of Critical Care Unit Practical – 8 Developing a Research Proposal And Term Paper
		Block 2 – Introduction to Computer Basics	Practical – 1 Introduction to Computers Practical – 2 Microsoft Windows Practical – 3 MS Word : Part I Practical – 4 MS Word : Part I Practical – 5 Introduction to Spreadsheets Practical – 6 MS Excel Toolbars Practical – 7 MS Power Point Practical – 8 Internet and E-mailing
		Block 3 – Application of Computers in Nursing	Practical – 1 Computerization in Nursing Practical – 2 Networking for Hospitals and Clinic Practical – 3 Electronic Patient Records Practical – 4 Internet and Nursing

## Implementation Plan

The programme will be implemented through a network of Programme Study Centres (PSCs) all over the country. The Programme Study Centres will be located in Schools of Nursing, College of Nursing and Hospitals. Academic counselling will be provided at programme study centres. For hands on training learners will be placed in Critical Care units of various hospitals which will be attached to the respective Programme Study Centres. A team of trained teachers called counsellors will be identified and trained for providing academic counselling and supervised practice in these centres. In addition the learners will be required to do self-practices at their own work place and maintain the record.



## Evaluation

There will be continuous and Term End Evaluation. Continuous Evaluation for theory will be through assignments and for practical's through self activities performed. There will be a Term End Examination for theory courses and supervised activities and Practical Examination for Practical courses.

## Programme Co-ordinators

Dr. Rohini Sharma Bhardwaj, Assistant Prof, SOHS, IGNOU,

Email : dcn@ignou.ac.in, Ph 01129572815

## For Further information, contact:

Prof. Dr Ruchika Kuba  
Director  
School of Health Sciences  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi – 110 068  
Phone: 011-29533078 (Direct) 29572801  
E-mail: directorsohs@ignou.ac.in, sohs@ignou.ac.in  
Website: www.ignou.ac.in