

SUMANDEEP VIDYAPEETH

(Declared as Deemed to be University under Section 3 of the UGC Act 1956)

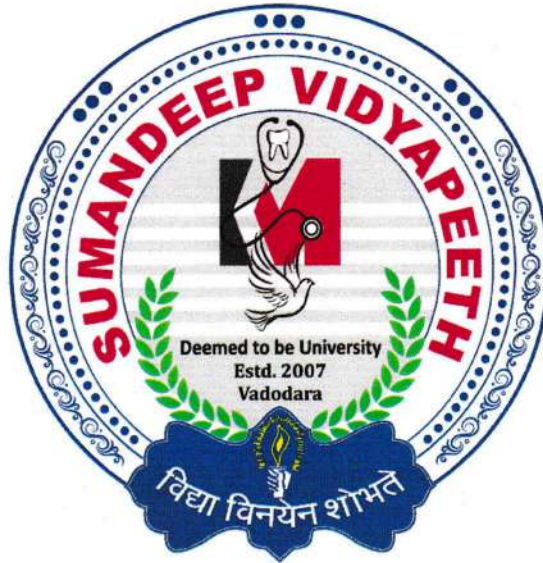
Accredited by NAAC with a CGPA of 3.53 out of four-point scale at 'A' Grade

Category – I deemed to be university under UGC Act - 2018

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CURRICULUM Master of Science (M.Sc) TRAUMA CARE AND EMERGENCY MANAGEMENT

Attested CTC

Charaney
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)

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AMENDED UP TO DECEMBER -2020

INTRODUCTION

Scope

The quality of paramedical care has improved tremendously in the last few decades due to the advances in technology, thus creating fresh challenges in the field of healthcare. It is now widely recognized that health service delivery is a team effort involving both clinicians and non-clinicians, and is not the sole duty of physicians and nurses. Professionals that can competently handle sophisticated machinery and advanced protocols are now in high demand. In fact, diagnosis is now so dependent on technology, that paramedical and healthcare professionals are vital to successful treatment delivery.

Effective delivery of healthcare services depends largely on the nature of education, training and appropriate orientation towards community health of all categories of health personnel, and their capacity to function as an integrated team, with a range of skills and expertise, play key roles within the National Health Service, working autonomously, in multi-professional teams in various settings. All of them are first-contact practitioners and work across a wide range of locations and sectors within acute, primary and community care.

Learning goals and objectives for paramedical healthcare professionals

The learning goals and objectives of the undergraduate and graduate education program will be based on the performance expectations. They will be articulated as learning goals (why we teach this) and learning objectives (what the students will learn). Using the framework, students will learn to integrate their knowledge, skills and abilities in a hands-on manner in a professional healthcare setting.

Program outcomes

Master's course in "Trauma Care and Emergency Management" aims to develop competencies, specifically in the area of intensive care, in order to guarantee high quality medical assistance. Healthcare Professionals that operate in intensive care must possess specific knowledge, competencies and abilities that will allow them to deal with any situation that may determine the instability or critical state of a patient's vital signs, from verifying the event that triggered the critical state to stabilization and the beginning of recovery or death.

The specific educational outcomes of the course aim at favoring the following competencies:

- To demonstrate competency in the knowledge and skills in providing comprehensive nursing care based on problem solving approach in the hospital and community.
- To demonstrate competency in the skills and techniques of nursing based on concepts and principles from selected areas of physical, biological and behavioural sciences.

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- The student is professionally competent to be a member of health team in meeting the promotive, preventive and restorative health needs of the society.
- The student is capable to demonstrate skills in teaching, management, interpersonal relations and communication.
- To demonstrates leadership qualities and decision-making abilities to function effectively in various situations.
- The student is aware of moral and ethical values and practices them in personal and professional life.
- The student recognizes the need for continued learning for their personal and professional development

Ethics and accountability

Students will understand core concepts of clinical ethics and law so that they may apply these to their practice as healthcare service providers. Program objectives should enable the students to:

- Describe and apply the basic concepts of clinical ethics to actual cases and situations
- Recognize the need to make health care resources available to patients fairly, equitably and without bias, discrimination or undue influence
- Demonstrate an understanding and application of basic legal concepts to the practice □
Employ professional accountability for the initiation, maintenance and termination of patient-provider relationships
- Demonstrate respect for each patient's individual rights of autonomy, privacy, and confidentiality

Commitment to professional excellence

The student will execute professionalism to reflect in his/her thought and action a range of attributes and characteristics that include technical competence, appearance, image, confidence level, empathy, compassion, understanding, patience, manners, verbal and non-verbal communication, an anti-discriminatory and non-judgmental attitude, and appropriate physical contact to ensure safe, effective and expected delivery of healthcare.

Prepare students to assume responsibilities as nurse specialists, consultants, educators, administrators in a wide variety of professional settings

Eligibility criteria- B.Sc. Emergency and Trauma Care Technology from a recognized University.

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Course of Instruction:

Course Name	Course Code	Theory hrs.) (Class and lab)	(In and Practical (In hrs.) (Clinical)	Total (in Hours)
First Year - Total Hours 720				
Core				
Patient assessment and medication administration	MEC101	60	60	120
Advanced airway management	MEC102	60	60	120
Cardiovascular and neurological management	MEC104	30	60	90
Applied pharmacology 1	MEC105	30	30	60
Medical emergency I	MEC106	40	50	90
Mechanical Ventilation	MEC107	30	50	80
Trauma management	MEC108	30	70	100
Applied pharmacology II	MEC109	30	30	60
Total		310	410	720

Second Year - Total Hours 680				
Core				
Medical emergency II	MEC201	60	100	160
Dialysis	MEC202	60	60	120
Emergency medical services-operations	MEC203	30	30	60
Patient Care and procedures in ICU	MEC204	60	60	120
Forensic medicine and medical ethics	MEC205	60	-	60
Clinical rotation	MEC206	60	100	160
Dissertation-200				
Total		330	350	680

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- Patient Assessment & Medication Administration Procedure
- Advanced Airway Management
- Cardiovascular & Neurological Management
- Applied Pharmacology I
- Patient Assessment & Medication Administration Procedure (Practical)
- Advanced Airway Management (Practical)
- Cardiovascular & Neurological Management (Practical)
- Medical Emergencies –I
- Mechanical Ventilation
- Trauma Management
- Applied Pharmacology II
- Medical Emergencies –I (Practical)
- Mechanical Ventilation (Practical)
- Trauma Management (Practical)

SECOND YEAR MSC TRAUMA CARE AND EMERGENCY MANAGEMENT

Each student shall undergo training in Skill Simulation Laboratory for learning certain basic clinical skills like IV/IM injection, setting IV line, Cardio-pulmonary resuscitation (CPR), and Life support skills in the beginning of second year, for duration of continuous four days. (Board of Studies letter No.:FPMS/SV/BOS-MIN/0006/2016-17, dated 19/04/2017, and vide notification of Board of Management resolution Ref.:No. SVDU/R/2017-18/5056, dated 09/01/2018).

- Medical Emergencies –II
- Dialysis
- Emergency Medical Services- Operations
- Patient care & Procedures in ICU
- Medical Emergencies –II (Practical)
- Dialysis (Practical)
- Patient care & Procedures in ICU (Practical)
- Critical Care Transport
- Forensic Medicine & Medical Ethics
- Clinical Rotation.
- Dissertation.

Introduction

The Code of Professional Conduct is designed and set out as guidance for the clinical practitioner within the relationship that exists with every patient receiving health care.

Essential to that relationship is the patient's trust in the practitioner. This trust hangs upon the patient's assurance of being the practitioner's first concern during their clinical encounter, and upon the patient's confidence that the care received will be competent, whether in diagnosis, therapy or counseling.

Standard of Practice and Care

Patients are entitled to the highest standard of practice and care. The essential elements of this are professional competence, good relationships with patients and colleagues and observance of professional ethical obligations.

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In providing care you must therefore

- Recognise the limits of your professional competence.
- be willing to consult colleagues
- Keep clear, accurate and contemporaneous patient records which report the relevant findings.
- Keep colleagues informed.
- Pay due regard to the efficacy and the prudent use of resources.
- be competent, truthful, and accurate, when reporting on investigations.
- be competent when giving or arranging treatment.

KEEPING UP TO DATE

You must maintain the standard of your performance by keeping your knowledge and skills up to date throughout your working life. In particular, you should take part regularly in educational activities which relate to the clinical application of perfusion care technology.

You must work with colleagues to monitor and improve the quality of the service which is provided.

Some parts of clinical and technical practice are governed by law. You must observe and keep up to date with the laws which affect your practice.

Patients' rights

- Listen to patients and respect their views.
- Treat patients politely and considerately.
- Respect patients' privacy and dignity.
- Give information to patients in a way they can understand.
- Respect the right of patients to be fully involved in decisions about their care.
- Respect the right of patients to refuse treatment or to take part in teaching or research, reporting the refusal to the person requesting the procedure.
- Respond to complaints promptly and constructively.
- Ensure that your views about a patient's life style, culture, beliefs, race, colour, sex, sexuality, age, social status, or perceived economic worth, do not prejudice the service you give.

CONFIDENTIALITY

Patients have a right to expect that you will not pass on any personal information which you learn in the course of your professional duties, unless they agree.

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