

SUMANDEEP VIDYAPEETH

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

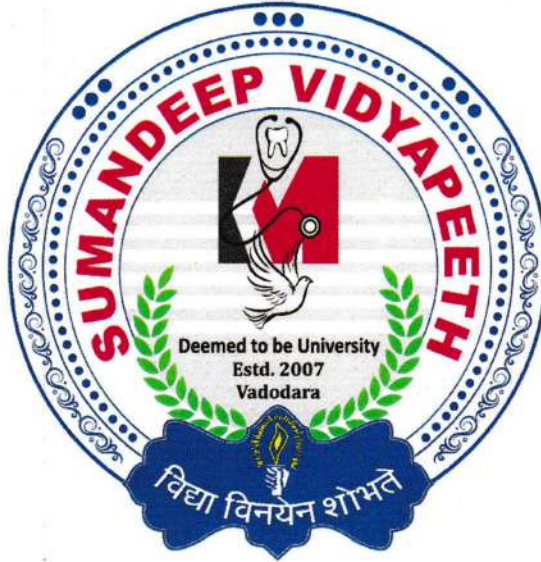
Accredited by NAAC with a CGPA of 3.53 out of four-point scale at 'A' Grade

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

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CURRICULUM

Diploma in ORTHOPEDIC ASSISTANT

Attested CTC

Sharaney
15/2/2021

Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

VIII. Piparia, Taluka: Waghodia.

Dist. Vadodara-391 760. (Gujarat)



Manchanda,

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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

- To provide surgical care to patients.
- Under supervision of surgeon, to ensure safe and effective conduct of invasive and non-invasive surgical procedures.
- To ensure operating room environment is safe and the operative procedure is conducted under conditions that maximize patient safety.
- To prepare professionals to be expert in theory and application of the principles of asepsis and sterile techniques.
- To combine knowledge of human anatomy, surgical procedures and implementation of tools to facilitate a physician's performance of diagnostic procedures.

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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

Eligibility criteria--- The applicant must have completed 10th Examination or Plus two or its equivalent from a recognized school board

COURSE OF INSTRUCTION

Course Name	Course Code	Theory (In hrs.) (Class and lab)	Practical (In hrs.) (Clinical)	Total (in Hours)
First Year - Total Hours 480				
Core				
Anatomy	DOA101	60	120	180
Physiology	DOA102	60	60	120
Introduction to Surgical equipments	DOA103	60	120	180
Second Year Total Hours 480				
Orthopaedic Surgical Procedures	DOA201	120	120	240
Orthopedic Surgical instruments & equipments	DOA203	120	120	240
Total		420	540	960

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SCHEME OF EXAMINATION

SUBJECT CODE	SUBJECTS	EXAMINATION PATTERN		
		Internal	Final	TOTAL
Core Subjects				
First Year				
DOA101	Anatomy	30	70	100
DOA102	Physiology	30	70	100
DOA103	Introduction to Surgical instruments	30	70	100
Practical 1		Practical- 30		50
Practical 2		Viva- 10		50
Practical 3		Journal- 10		50
Second Year				
DOA201	Orthopedic Surgical Procedures	30	70	100
DOA203	Orthopedic Instruments&Equipments	30	70	100
Practical 4		Practical- 30		50
Practical 5		Viva- 10		50
		Journal- 10		

First year diploma orthopedic assistant

DOA101 Anatomy & Physiology

180 Hours

- Elementary Physics & Chemistry
- Characteristics of Living Matter
- Structure of Living Matter
- The Tissues
- Systems and Various Parts of Human Body
- Development & Types of Bones
- Bones of Head & Trunk
- Bones of the Limbs
- Joints or Articulations
- Structure and action of Muscles
- The chief Muscles of the Body
- The Brain
- The Heart and Blood Vessels
- The Circulatory System

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- .The Lymphatic System
- The Respiratory System
- The Digestive System
- .The Liver, Biliary System and Pancreas
- Nutrition & Metabolism
- .Endocrine Glands and Exocrine Glands
- The Urinary System
- .The Nervous System
- The ear
- The Eye
- The Skin
- The Reproductive System

DOA 103 Introduction To Surgical Instruments And Procedures

180 Hours

(Including Sterilization and Disinfection, Different Methods, Protection of Patients in Surgery, Preparation of Patients)

Preoperative Consideration Psychological Support of the Surgical Patient

Protection of the Patient in Surgery

- Admission Process
- Transfer Procedure Position
- Environmental Controls
- Electro Surgery
- Operative Records
- Counting Procedure

Emergencies&DisastersSurgical Instruments

- Instruments for General Surgery
- Operation of Face & Neck
- Operation of Nose, Throat and accessory Nasal Sinuses
- Ophthalmic Surgery
- Sinuses, Ear and Throat

Operations on the Chest

Operations on the Genito-Urinary Tract

Gynaecological & Obstetric Operations

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- Orthopaedic Operations
- Neuro-Surgical Operations
- Operations on the Vascular System
- Radium Insertion
- Traumatic Surgery

SECOND YEAR

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).

DAO 201 Orthopedic Surgical Procedure

240 Hours

- Open Reduction of Carpal Bone Fracture
- Excision of a Ganglion
- Carpal Tunnel Release
- Open Reduction of the Humerus
- Open Reduction of the radius and / or Ulna
- Open Reduction of an Olecranon Process Fracture
- Repair of Recurrent Anterior Dislocation of the Shoulder
- Open Reduction of Fracture of the Humerus Head(Including Humeral Head Prosthesis)
- Internal Fixation of the Hip
- Femoral Head Prosthetic Replacement
- Total Hip Replacement
- Open Reduction of the Femoral Shaft
- Triple Arthrodesis of the Ankle
- Total Ankle Joint Replacement
- Open Reduction of Ankle
- Anatomy of the Knee
- Excision of Popliteal(Baker's)Cyst
- Total Knee Replacement
- Open Reduction of the Tibial Shaft
- ~~Bunionectomy~~
- Correction of Hammer Toe Deformity with interphalangeal Fusion
- Vetersal Head Resection
- Procedure for Correction of Scoliosis
- Amputation of Lower Extremities

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(Signature)
 Vice-Chancellor
 Sumandeep Vidyapeeth



CODE OF PROFESSIONAL CONDUCT

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.

In providing care you must therefore:

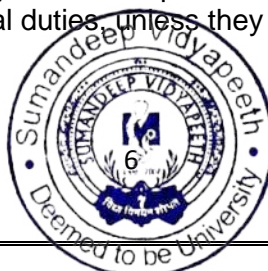
- Recognize the limits of your professional competence.
- Be willing to consult colleagues
- Keep clear, accurate and contemporaneous patient records which report the relevant findings
- Keep colleagues informed.
- Pay due regard to the efficacy and the prudent use of resources.
- Be competent, truthful,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

Patient's 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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