

# **BASICS OF HUMAN ANATOMY**

**(3+0 Cr. Hr)**

## **COURSE OBJECTIVES**

The outlines of this course have been drawn with the objective to provide basic knowledge of human anatomy and body parts such as head and neck, thorax, abdomen and pelvis, Skeleton, Bones Tissues, Joints and Muscles to acquaint students with initial information about human body structure and functions.

## **COURSE CONTENTS:**

- i. INTRODUCTION**
  - a. Definition of Anatomy
  - b. Importance of Anatomy in Sports
  - c. Terms & terminologies used in Anatomy
  - d. Cell, Cell Characteristics and Cell Organelle
  - e. Cell Division
  - f. Body Tissue and Organs (Types & General Classification)
  
- ii. ANATOMY OF SKELETAL SYSTEM**
  - a. Cartilage, Bone & its Classification
  - b. Gross & Microscopic Structure of Bone
  - c. Types of Bone Fractures and Healing Process of Fracture
  - d. Joints and their Classification
  
- iii. ANATOMY OF MUSCULAR SYSTEM**
  - a. Muscles & their Classification
  - b. Gross & Microscopic Structure of Muscles
  
- iv. ANATOMY OF DIGESTIVE SYSTEM**
  - a. Gross & Microscopic anatomy of Digestive System
  - b. Functional Anatomy of Digestive System
  
- v. ANATOMY OF CARDIOVASCULAR SYSTEM**
  - a. Gross & Microscopic Anatomy of Heart
  - b. Gross & Microscopic Structure of Blood Vessels
  - c. Anatomy of Blood
  
- vi. ANATOMY OF NERVOUS SYSTEM**
  - a. General structure & Types of Neurons
  - b. Anatomy of Central Nervous System
  - c. Anatomy of Peripheral Nervous System
  - d. Types of Senses
  
- vii. ANATOMY OF RESPIRATORY SYSTEM**