**Basics of Human Anatomy and Physiology (3 Cr. Hr.) M.Sc 2nd Semester**

**OBJECTIVES OF COURSE**

The outlines of this course has 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**

1. **INTRODUCTION**
2. Definition of Anatomy
3. Importance of Anatomy in Sports
4. Terms & terminologies used in Anatomy
5. **CELL**
6. Structure of Cell
7. Functions and Characteristics of Cell
8. Cell division
9. **TISSUES AND ORGANS**
10. Definition
11. Types
12. **ANATOMY OF SKELETAL SYSTEM**
13. **ANATOMY OF MUSCULAR SYSTEM**
14. **ANATOMY OF DIGESTIVE SYSTEM**
15. **ANATOMY OF CARDIOVASCULAR SYSTEM**
16. **ANATOMY OF NERVOUS SYSTEM**

**RECOMMENDED BOOKS**

1. Singh, V. (2015). *General Anatomy-E-book.* Elsevier Health Sciences.
2. Shier, D., Butler, J., & Lewis, R. (2015). *Hole's essentials of human anatomy & physiology*. McGraw-Hill Education.
3. Netter, F. H. (2014). *Atlas of Human Anatomy, Professional Edition E-Book: including Netter Reference. com Access with Full Downloadable Image Bank*. Elsevier Health Sciences.
4. Scanlon, V. C., & Sanders, T. (2014). *Essentials of anatomy and physiology*. FA Davis.
5. Marieb, E. N., &Hoehn, K. (2010). *The integumentary system. Human Anatomy and Physiology.* 8th ed. San Francisco, CA: Benjamin Cummings, 155.