

# Anatomy and Physiology Course Outline

## Unit 1 - Introduction to Anatomy and Physiology

- A. Basic terminology
- B. Maintaining life
- C. Language of anatomy

## Unit 2 - Cells and Tissues

- A. Anatomy of a cell
- B. Cell diversity
- C. Tissue: Structure and function
  - 1. Epithelial
  - 2. Connective
  - 3. Nervous
  - 4. Muscle

## Unit 3 - Skeletal System

- A. Bone structure and function
- B. Skeleton structure and function
- C. Individual bone identification

## Unit 4 - Muscle System

- A. Types of muscle
- B. Individual muscle identification
- C. Function of muscles

## Unit 5 - Nervous System

- A. Types and functions of nervous system cells
- B. Brain structures and function
- C. Neurotransmitters
- D. Cranial Nerves

## Unit 6 - Digestive System

- A. Mouth (tongue, teeth, salivary glands)
- B. Digestive system organs structure and function

## Unit 7 - Respiratory and Circulatory Systems

- A. Respiratory structures and their functions
- B. Heart structures and function
- C. Blood pressure
- D. Blood: function, cells and typing

## Unit 8 - Fetal Pig Dissection

- A. Location and identification of fetal pig structures
- B. Pig of Destiny

Unit 9 - Human Disease Research