

Anatomy and Physiology of Human Systems Scope and Sequence

2017-2018

1st Six Weeks

- Safe Lab Procedures
- Overview of Anatomy and Physiology
- Levels of Structural Organization
- Maintaining Life
- Homeostasis
- Language of Anatomy
- Matter and Energy
- Composition of Matter
- Molecules and Compounds
- Chemical Bonds and Reactions
- Biochemistry

2nd Six Weeks

- Cell Anatomy and Physiology
- Body Tissues
- Classification of Body Membranes
- Integumentary System
- Bones: An Overview
- Axial Skeleton
- Appendicular Skeleton
- Joints

3rd Six Weeks

- Muscle Tissues
- Skeletal Muscles
- Muscle Movements, Types, and Names
- Nervous System
- Central Nervous System
- Peripheral Nervous System
- The Eye: Vision
- The Ear: Hearing and Balance
- Chemical Senses: Smell and Taste

4th Six Weeks

- Endocrine System
- Hormone Function
- Composition and Functions of Blood
- Hemostasis
- Blood Groups
- The Heart
- Blood Vessels

5th Six Weeks

- Lymphatic System
- Body Defenses
- Respiratory Disorders
- Anatomy and Functions of Digestive System

6th Six Weeks

- Urinary Organs
- Fluid, Electrolytes, and Acid-Base Solutions
- Male Reproductive Organs and Functions
- Female Reproductive Organs and Functions
- Mammary Glands
- Pregnancy and Embryonic Development
- Dissection