

Syllabus

Anatomy & Physiology – Semester 1

Description: Explore the organization of the human body and how it works. Acquire knowledge necessary to understand what the body is doing and how you can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

Major Topics and Concepts

Module 1 Protection and Support

- 01.00 Module One Protection and Support Pretest
- 01.01 Introduction to Anatomy and Physiology
- 01.02 Understanding Anatomy and Physiology
- 01.03 Tissues
- 01.04 Skin—The Largest Organ
- 01.05 The Human Skeleton
- 01.05 Honors—Bone Markings
- 01.06 Bone Tissue
- 01.07 Module One Discussion-Based Assessment and Exam
- 01.08 Module One Protection and Support Collaboration

Module 2 Movement

- 02.00 Module Two Movement Pretest
- 02.01 Axial and Appendicular Muscles
- 02.02 Skeletal Muscle
- 02.02 Honors—Cellular Energy
- 02.03 Muscle Contraction
- 02.03 Honors—Physiology of Muscle
- 02.04 Module Two Discussion-Based Assessment and Exam
- 02.05 Module Two Movement Collaboration

Module 3 Communication and Coordination

- 03.00 Module Three Communication and Coordination Pretest
- 03.01 Nervous System
- 03.02 The Spinal Cord
- 03.03 The Brain
- 03.04 Sympathetic and Parasympathetic Nervous Systems
- 03.05 Nerve Conduction
- 03.06 Senses
- 03.07 Endocrine System
- 03.07 Honors—Hormones
- 03.08 Module Three Discussion-Based Assessment and Exam
- 03.09 Module Three Communication and Coordination Collaboration
- 03.10 Segment One Exam