

Troy High School

Course Profile

Course Title: Human Anatomy and Physiology

Course Pre-Requisites: Refer To Registration Presentation

Course Description: The goal of Human Anatomy and Physiology is for students to gain an understanding of the human body by examining anatomical structures and how they function by participating in class discussions, laboratory activities, and dissections. Through completion of this course, students will understand how the body is organized and will be able to identify specific anatomical structures. The major concepts that are covered in this course are:

- Basic Anatomical Terminology
- Histology (Study of Tissues)
- Integumentary System
- Skeletal System
- Muscular System
- Nervous System
- Digestive System
- Cardiovascular System
- Dissection Techniques
- Disorders that Affect Different Body Systems

Students entering this course should already have a mastery of the following concepts and possess the following skills:

- **Concepts:**
 - An understanding of structure and function of cells in multicellular organisms and the function of their organelles.
 - Basic understanding of the concept that structure is directly related to function.
 - Understanding that cells in multicellular organisms are specialized and that they are part of a hierarchical organization that allows the organism to perform the reactions that are essential to life.
- **Skills:**
 - Graphing
 - Time Management
 - Good Study Skills
 - Basic use of Google Docs, Google Slides, and Google Classroom
 - Basic use of Quizlet

Workload Expectations for this course (list typical amount of homework, projects, presentations, papers, etc.):

- For each unit, students will be expected to read the chapters from the textbook, take class notes, take a weekly quiz (~2-3 a unit), perform 1-2 lab activities, and take a unit exam. Since there are weekly quizzes and an exam for each unit, it is expected that students spend time to study and keep up with the material.
- Other activities that students will be expected to complete throughout the course: Dissections of a mammalian specimen, creation of Google Slides Presentations, and participation in class discussions.