



# Anatomy & Physiology

## Grand Haven High School



**Course Number:** D49A/B

**Grade Level:** 11/12th Grade

**Credits :** 1 credit

**Prerequisite Courses:** Juniors: successful completion of Biology. Seniors: Successful completion of Chemistry &/or Physics (ideally full year course(s))

### Course Description

This elective course is primarily a senior level course (open to juniors) and is designed for students who are anticipating a career/program in medicine or other related health field careers. It is also designed to allow the student to gain a deeper knowledge of the anatomy and physiology of the body as well. Students in this course will study the anatomy of the human body systems & tissues, explaining their relationships and how/why they work. Class time requires in-depth study and mammalian body organs and culminates in the dissection of a cat. This course is a good companion course to AP Psychology, AP Biology and/or AP Physics. Learning will occur through textbook reading and noting, class discussion and lectures, as well as hands-on activities, discussions, projects, dissections and other classroom activities.

### Course Objectives

Students will develop an understanding of the body systems and functions. Units of study include Body Overview, Tissues & Membranes, Integumentary System (Skin), Skeletal and Muscular Systems, Digestion and Nutrition, Blood, Cardiovascular System, Respiratory System, Nervous System, Special Senses, Urinary/Excretory System, Reproductive System and Fetal Development and cat dissection. \*Most system units include/require dissection of organs.

Students will also learn Latin & Greek prefix/suffix to better predict & understand meanings of medical terms. Weekly quizzes are to be expected.

### Student Expectations

Students are expected to come to class prepared and on time. Students are expected to have respect for themselves, classmates, teachers and property. Students are expected to always try their best, to stay positive and to ask questions.

### Communication

Regular progress can be monitored using Parent Internet Viewer and Google Classroom. Instructor will be available via email and phone.

### Building Behavioral Expectations

***TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.***

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

**GO BUCS**

## Grading Policy

This course has two categories as follows:

Assessments = 60% (quizzes, tests, projects, dissection practicals)

Classwork = 40% (activities, labs, dissection work, etc)

## Scope and Sequence

### 1st Semester includes the following:

- Chapter 1: Intro to A&P and Body Overview
- Chapter 5: Tissues & Membranes
- Chapter 6: Integumentary System (Skin)
- Chapter 7 Skeletal System
- Chapter 8: Muscular System
- Chapter 9: Nervous System
- Chapter 10: Special Senses
- Chapter 11: Endocrine System

### 2nd Semester includes the following:

- Chapter 11: Endocrine System
- Chapter 12: Blood
- Chapter 13: Cardiovascular System
- Chapter 14: Lymphatic System & Immunity
- Chapter 15: Digestion and Nutrition
- Chapter 16: Respiratory System
- Chapter 17: Urinary/Excretory System
- Chapter 19 & 20: Reproductive System and Fetal Development
- Cat Dissection and Practical Exam

### Building Behavioral Expectations

***TEAM GH ... One Team, One Family, One Grand Haven. Be Kind. Always.***

It is our expectation that ALL GHHS students, staff and parents will ... always give their best **EFFORT** in everything that they do, work hard to be **INCLUSIVE** of each other, show **RESPONSIBILITY** in class, the hallways, cafeteria and at events, and **WORK TOGETHER** at all times!

**GO BUCS**