



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, mammalian body organ dissection 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, and dissections.

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, Endocrine System, Digestive System, Blood, Cardiovascular System, Respiratory System, Nervous System, Special Senses, Urinary/Excretory System, Reproductive System and cat dissection. *Most system units include required 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 categories as follows:

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

Classwork = 30% (activities, labs, dissection work, etc)

Latin = 10% (weekly vocabulary quizzes)

Scope and Sequence

Across both semesters:

- Unit 1: Introduction to Anatomy & Physiology
 - Intro to A&P and Tissues
- Unit 2: Support & Movement
 - Skeletal System and Muscular System
- Unit 3: Control & Coordination
 - Nervous System and Senses and Endocrine System
- Unit 4: Protection
 - Lymphatic System and Immunity and Integumentary System (Skin)
- Unit 5: Transport
 - Blood and Cardiovascular System and Respiratory System
- Unit 6: Absorption & Excretion
 - Digestive System and Urinary/Excretory System
- Unit 7: Reproduction
 - Reproductive System and Fetal Development
- Cat Dissection and Practical

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