

Syllabus Anatomy and Physiology 2022-20223

Dr. Kunstetter

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Office hours: I am available to answer questions and help with classwork during Study Hall.

Course description

This course is designed as an introduction to human anatomy and physiology for students who are interested in pursuing a career in the medical field (nursing, medical doctor, physician's assistant, pharmacy, physical therapy, etc.) or who are interested in studying the functioning of the human body. The course will cover topics from cells and tissues to organ systems as well as anatomy terminology and identification of the main body parts and compartments. The Anatomy part of the course will cover the identification of the structures composing each organ system including the names and locations of tissues and organs. The physiology part of the course will cover the function of tissues, organs, and organ systems. Because this class is a year-long course with cumulative information it is expected that students will enroll in this course for all three trimesters.

Textbook: Hole's Essentials of Anatomy and Physiology by Shier, Butler and Lewis

Required Materials: Textbook, notebook for lecture notes, pen, pencil, and planner.

Grade breakdown:

Daily classwork/homework (15%)

Daily classwork assignments will consist of a text reading and chapter review questions, coloring pages, and labeling worksheets. The classwork is due at the next class session and will be checked and reviewed at the beginning of the class. The goal of these assignments is to help students practice concepts learned in class and prepare for tests.

Article analysis (20%)

In each trimester, students will analyze two scientific articles related to a topic learned in class. Students may choose the topic of the article. Students will read the article and complete a worksheet about its structure, its research questions, methods, results, and conclusions.

Lab worksheets (20%)

Students will complete lab reports or lab worksheets during labs. All lab reports or worksheets should be completed individually during class time. Incomplete lab reports or worksheets can be finished at home.

Assessment (20%)

Quizzes and multiple-format tests will be completed at the end of each unit to assess students' comprehension of concepts and vocabulary. Assessments must be completed individually during class time. Students may bring a study guide to use during assessments

Finals(25%)

Finals will cover all content of the trimester. Must be completed individually during class time.

Extra credit

Extra credit may be provided to students before the end of the trimester to complement finals, projects, or assessment grades.

Students are expected to turn in all assignments by the due date. Please speak to me for an extension on the due dates. Students that do not complete homework by the due date will automatically lose 10% of the grade and will not be able to grade work with the class. Late assignments may be turned in for partial credit until the end of the grading period.

Classroom rules and expectations

YOU MUST ABIDE BY THE RULES AND REGULATIONS OF JAMES MADISON PREPARATORY SCHOOL AS STATED IN THE FAMILY HANDBOOK.

Respectfulness: Maintain a respectful and positive attitude. You are expected to be respectful and courteous towards the teacher and towards your classmates.

Strong work ethic: Complete all work assigned to you by the due date. Complete homework and missed work promptly and bring all materials to class every day.*

Compassion: Be empathetic and sensitive to each other's feelings and challenges. Help your class and your classmates when you can.

* Students that do not complete daily work by the due date (see table below) will automatically lose 10% of the grade and will not be able to grade work with the class. Late assignments may be turned in for partial credit until the grade check period ends.

Lab safety rules

- You must learn and abide by all Laboratory safety rules. Violation of rules will result in your removal from class and a Health/Safety ticket will be issued.
- No food or drink is allowed in the lab room. Water bottles are permitted.
- Come prepared for the lab. Read the worksheet and familiarize yourself with the methods before coming to the lab.
- Wait for teacher instruction before starting.
- Wear all your individual protective equipment (aprons, Google...) all the time.