

Anatomy & Physiology Syllabus

Instructor Information

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Dear Students and Families,

My goal is to create a welcoming and engaging classroom where students feel safe to take academic risks. When students take risks like trying a challenging problem, asking a question they're unsure about, or attempting a new approach, they give themselves the opportunity to grow. Practice taking risks builds resilience and develops the problem-solving skills that lead to genuine success. High school is a critical time for refining these abilities, deepening understanding, and building confidence in their capacity to learn and achieve. I believe that students must experience what success feels like in order to recognize its value and turn it into a habit worth keeping, and I am committed to guiding them toward that feeling of success :)

Ms. Kimbrough

COURSE DESCRIPTION

Anatomy and Physiology is a course designed to help students understand how the structures and functions of the human body are connected. The curriculum builds a solid foundation in key body systems, including the integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Students will deepen their learning through hands-on inquiry and laboratory investigations. This course is intended to prepare students for college, particularly those interested in biology and health-related careers.

COURSE OBJECTIVES

By the end of the course, students will be able to:

- Build a thorough understanding of anatomical terminology to accurately describe the location and function of body structures.
 - Explain the physiological roles of various body systems and their contributions to maintaining homeostasis.
 - Gain foundational knowledge of common diseases and disorders that impact different body systems.
 - Show competence in using laboratory equipment and techniques for anatomy and physiology investigations.
 - Apply anatomical and physiological concepts to solve problems through case studies and real-world scenarios.
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TEXTBOOK(S) / COURSE MATERIALS

Students are required to bring the following to class every day:

- Notebook and pencil
- Calculator
- Laptop and charger

Additional materials such as lab kits, safety gear, and online resources will be provided as needed.

GRADING PROCEDURE

Grades are based on the following approximate distribution:

- Homework: 15%
- Quizzes (including daily checks for understanding): 50%
- Tests (unit exams): 15%
- Lab reports: 20%

In-class assignments and practice activities are not graded but are essential for learning.

This course follows the conventional A–F grading system.

ACADEMIC INTEGRITY STATEMENT

Students are expected to do their own work and demonstrate honesty in all assignments. Cheating, copying, or plagiarism will result in an automatic failing grade ("F") for the assignment with no opportunity for a retake. The teacher will exercise discretion in determining academic dishonesty and will hold all involved students accountable.

FINAL EXAM

A comprehensive final exam will be administered at the end of the course. It will include multiple-choice questions and may also contain a lab practical component. The final exam grade will significantly impact the overall course grade.

TOPICAL OUTLINE

The topics covered in this course are as follows:

- 1. Introduction to Anatomy**
- 2. Cell Structure and Function**
- 3. Body Tissues**
- 4. Skeletal System**
- 5. Skeletal Anatomy**
- 6. Muscle System**
- 7. Muscle Naming**
- 8. Nervous System**
- 9. Forensics Mini Unit**
- 10. Senses**
- 11. Endocrine System**
- 12. Blood and Immune System**
- 13. Heart and Circulatory System**
- 14. Digestive System**
- 15. Respiratory System**

16. Urinary System

17. Reproductive System

CLASS RULES

Students are expected to embody the district's Portrait of a Graduate qualities:

- Change Agent: Stand for fairness and make a positive community impact.
 - Collaborator: Work respectfully with diverse perspectives.
 - College and Career Ready: Demonstrate skills and motivation for success.
 - Communicator: Listen and express ideas clearly and respectfully.
 - Competent: Apply knowledge, ask for help, and engage deeply.
 - Critical Thinker: Analyze problems and create logical solutions.
 - Culturally Aware: Respect and embrace cultural diversity.
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TECHNOLOGY POLICIES

- Cell phones are not allowed in the building. If a phone is seen or suspected, security will be notified, and the student may be searched.
 - Laptops must remain silent during class. Video/audio will only be played when the teacher permits and provides headphones if needed.
 - Students must ask permission before using headphones or playing audio.
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CONSEQUENCES

- Warning 1: Verbal redirection.
- Warning 2: Reminder of class expectations.
- Warning 3: Behavioral change implemented; repeated offenses may result in removal.

- After the third warning, security will be called and an incident report filed.
 - Type I or II infractions threatening safety result in immediate disciplinary referral.
 - Academic dishonesty results in an automatic failing grade for the assignment.
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PASSES

Students should use good judgment when requesting to leave the classroom. Avoid asking during direct instruction or at times that disrupt the class. This does not apply to emergencies.

EXAMS

Unit exams will be given at the end of each unit and include multiple-choice, short answer, and possibly lab practical sections. Daily quizzes and checks for understanding will be frequent and count toward grades.

ABSENCES

Students are responsible for contacting the teacher to make up missed work. Supplemental videos and homework will be posted on the class Teams channel. Make-up quizzes must be scheduled within five school days of return. Failure to attend scheduled make-ups results in a zero.