



# Anatomy and Physiology Instructional Plan

## Course Overview

This course offers a comprehensive look into the structure and function of the human body. We'll explore various organ systems, from the cellular level to the organismal level, using an inquiry-based approach. The curriculum is designed to foster scientific literacy, critical thinking, and a deeper understanding of the body's interconnected processes.

## Instructor Information

- **Name:** Dr. Syed Ali Hassan Naqvi
- **Email:** syed.naqvi@midlandisd.net

## Classroom Expectations

### Core Expectations

- **Be Prepared:** Bring required supplies, attend regularly, and be ready to learn.
- **Participate & Take Responsibility:** Complete assignments on time, engage in discussions, and contribute to learning.
- **Respect the Learning Environment:** Follow behavior guidelines and report problems appropriately.

### Behavior & Consequences

Positive reinforcement and routines support success. If expectations aren't met, the process is: reteach → redirect → parent contact → office referral. Students are expected to act with maturity and respect, as if preparing for college.

### Materials

Expected to bring every day. Esp. Charged Laptops

- 3-ring binder
- Loose-leaf paper
- Pencils/pens
- Chromebook
- Composition lab notebook

### Assignments & Schedule

Six-week calendars outline assignments, though dates may change. Students must check posted or online updates.

### Tutoring

Available mornings, during lunch, and afternoons on specified days. Exact dates will be posted on Class Dojo and Google Classroom. Students are responsible for seeking help when needed.



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## Attendance Policy & Its Importance

Regular attendance is essential for success in Anatomy & Physiology. This course builds critical problem-solving skills, scientific reasoning, and laboratory experience that cannot be replicated through make-up work alone. Concepts build on one another, and frequent absences can create gaps that are difficult to close. MidlandISD grading policy will be followed for late work.

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## Learning Objectives

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

- Engage with anatomy and physiology content through three scientific practices: creating representations (drawing diagrams, graphs, and models), interpreting data, and constructing explanations.
  - Demonstrate knowledge of all the different systems in the human body.
  - Apply scientific practices consistently, including lab work, dissections, virtual reality (VR), diagrams, labeling, modeling, and discussions.
  - Dedicate at least 25% of instructional time to laboratory investigations, reinforcing content through experimental design, data collection, and evidence-based reasoning.
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## Course Outline

### Semester 1

- **Unit 1:** Introduction to Anatomy & Physiology
- **Unit 2:** Upper Limb Anatomy
- **Unit 3:** Lower Limb Anatomy
- **Unit 4:** Head & Neck Anatomy (including the Central Nervous System)

### Semester 2

- **Unit 5:** Thorax Anatomy (including systems in the thorax)
- **Unit 6:** Abdominal Anatomy (including the Gastrointestinal and Urinary Systems)
- **Unit 7:** Pelvic Anatomy (Reproductive Systems)
- **Unit 8:** Human Body Systems Overview

## Course Resources

- Chromebook (provided by Midland ISD)
- MISD-provided instructional materials (course-approved textbooks, etc.)
- AP Classroom and AP instructional materials
- Online resources such as VR



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## Grading Policy

- **Major Assignments:** 60%
- **Minor Assignments:** 40%
- **Semester Exams:** 15% of the final semester grade

According to Midland ISD Grading Policy:

The summative evaluation of a student's grade during a grading period should be based on sufficient data collected in class in the form of various assessments. Regular and periodic assessment of student progress ensures a student has ample time for remediation.

Students must receive feedback on every graded assignment within three to seven days. Major assignments will receive feedback within ten days. Teachers will, at a minimum, communicate with students and their guardians regarding upcoming assessments, classroom reminders, learning topics covered in class, and/or expectations. Regular communication may be electronic through the adopted Student Information System or other messaging applications. Teachers will maintain a parent communication log during each grading cycle.

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Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

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Please fill out the portion below and return this portion to your teacher.

We acknowledge that we have read and that we understand the expectations of Anatomy & Physiology. We agree to contact the teacher should we have any questions or concerns regarding this instructional plan.

Parent Name: \_\_\_\_\_

Student Name: \_\_\_\_\_

Cell Phone Number: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_