



Dallas High School Home of the Dragons



Intro. To Anatomy & Physiology 2022-2023

Instructor: Mrs. Dickerson

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Office Hours: Room 911; Mondays, Wednesdays-Fridays 2:40pm-3:30 pm, and additional times by arrangement.

Class Meeting Times: Period 4 on A Block days OR Period 8 on B Block days from 1:25pm - 2:35pm

Prerequisite: Biology with a grade of “C” or better.

Course Description: This course introduces the normal structure and function of the human body from the chemical level to the systems level, focusing on homeostasis and system integration. Includes lectures, activities, laboratories, and student projects. This course is also designed for students who would like to get an in-depth background on the workings of the human body, be it for a career in the health occupations field, a third year of the state’s science requirement, or simply for personal interest. Over the course of the year, students will learn about each system of the body through organ dissection, tissue slides, numerous video presentations, and lectures. An in-depth fetal pig dissection will be done during the second semester of the course, covering the musculoskeletal system, internal organs, arteries and veins, the brain, and urogenital system.

Textbook: Hole’s Essentials of Human Anatomy & Physiology; Shier, Butler, and Lewis; 8th ed.

Lab Materials: Hole’s Essentials of Human Anatomy & Physiology; Shier, Butler, and Lewis; 8th ed., select WARD’s Biological Company labs, and Health And Science Pipeline Initiative (HASPI) materials.

Tentative Course Outline for the Year:

	Unit Topic	Summative Assessment (Standards 1-3 are assessed, in part, on every exam listed below)
Unit 1:	Introduction to Anatomy and Physiology: Body Planes; Basic Anatomical Terminology	Terminology and Body Planes Exam (Ch.1)
Unit 2:	Cells, cell transport, Cell Division and Tissue	Cells and Tissues Exam (Chs. 3 & 5)
Unit 3:	Integumentary System (skin)	Integumentary Exam (Ch.6)
Unit 4:	Skeletal System	Bone Identification (skeleton & skull) Skeletal System Exam (Ch. 7)
Unit 5	Muscular System	Muscle Identification Muscular System Exam (Ch.8)
Unit 6:	The Nervous System and Senses	Nervous System and Senses (Chs. 9 & 10)
Unit 7:	Endocrine System	Endocrine Exam (Ch.11)
Unit 8:	The Blood	Blood Exam (Ch.12)
Unit 9:	The Heart and Cardiovascular System	Heart and Cardiovascular System Exam (Ch.13)
Unit 10:	Lymphatic System	Lymphatic System Exam (Ch.14)
Unit 11:	Digestive System Respiratory System	Digestive System Exam (Ch.15) Respiratory System Exam (Ch.16)
Unit 12:	Body Temperature & Metabolism; Urinary System; Fluid-Electrolyte and Acid-Base Balance	Urinary System (including Body Temperature and Metabolism, and Fluid-Electrolyte/Acid-Base Balance) (Chs.17-19)

Standards to be Assessed:

Upon successful completion of the course, students should be able to:

1. Standard 1: Communicate using correct biological/anatomical vocabulary.
2. Standard 2: Explain the unifying concepts regarding living things:
 - A. Homeostasis
 - B. Form fits function
 - C. Integration of body systems to maintain a life
3. Standard 3: Describe basic cell physiology.

Grading and Assessment:

Student's final grade will be based on completion of class assignments in their science notebook, activities, and exams.

- Any exam with the exception of the final exam at the end of the semester can be retaken and the higher grade recorded. Teachers may extend the retake time period, but as a general rule all retakes need to be done within about **2 weeks** of the initial assessment.
- Students will complete extra preparation before retaking an assessment.
- Work completed late will be reduced at minimum by one letter grade or up to 50%.
- Retakes are not allowed on assignments.

Grading Scale:

- A : 90 - 100%
- B : 80 - 89%
- C : 70 - 79%
- D : 60 - 69%
- F : 0 - 59%

Academic Integrity: We expect students to express academic integrity by doing their own best work and properly documenting information gathered from other sources. Students who violate the principles of academic integrity will be subject to disciplinary consequences (see Insubordination section of the on-line student agenda).

Student Electronic Devices: Upon entering the classroom, all students who are in possession of an electronic device are expected to only use their device at appropriate times and in a way that supports learning of academic material. Electronic devices should only be used during class work time to support learning of the class material and should remain put away or closed during direct instruction. **If students show that they struggle with the ability to appropriately use their cell phone during class time they will be asked to store their phone in a lock box for the remainder of the class period.**

Hall Pass Policy:

Students will only be allowed to leave the room with their individual hall pass. Before leaving the classroom each student should fill out their destination on their own hall pass and bring it to me for stamping/initialing. Each box on the pass that remains unstamped/initialed is good for extra-credit points, so limiting your trips to the bathroom, locker, etc. will help your grade so come to class prepared. In addition to having the extra credit hall pass stamped off students will need to scan a QR code and enter their information in for their digital hall pass using their Chromebook. This is so there is a time stamp document identifying when they left the classroom.

Required Materials for Class:

All students will need to purchase a larger 3-ring binder ***for use in Anatomy and Physiology class only***. All work done this year will be stored in this notebook and cleaned out at home at the end of first semester, to make room for second semester's work or a second 3 ring notebook can be used for 2nd semester. Also necessary is a package of 8 divider tabs. You may also want your own colored pencils, although we have a class set, and a highlighter or two.

1) We will create a Table of Contents together throughout each semester of all work that should be stored in this notebook. This will be the very first item in each section of their binder.

- 2) Please attach your bathroom pass to the inside back cover of your binder so you know where it is.
- 3) Assignments will be “stamped” in general on the day they are due. If you are absent during these “checks” at the beginning of the period, and the absence is excused, you need to write ABS at the top of that assignment and alert me the very next day I have you in class, in order to receive a stamp. Failure to do so will automatically earn you docked/late credit for that assignment.
- 4) All unit assignments will be compiled in a personal student folder and turned in before the start of that unit test for a grade. Scores for assignments for that unit will be added up as a single unit assignments grade. This total assignments grade for that unit will go in the gradebook as a single score.
- 5) “Forgotten” binders/assignments on the day of a check will receive late credit that could be docked up to 50% for items that have not been stamped/checked off.**
- 6) Once that unit binder check score is recorded in the gradebook, all missing work is now too late to get stamped for more points. If you are not happy with your assignment score for a particular unit I encourage you to make adjustments to improve your score on the next unit binder check.

Mrs. Dickerson's Syllabus Signature Page for Anatomy and Physiology:

Parents/Guardians: Please **detach this last page after signing so it can be returned to the classroom** and keep the rest of this syllabus. By signing this form, you acknowledge that you have read and fully understood the expectations, policies, and standards associated with Mrs. Dickerson's classroom. A copy of this syllabus along with other classroom documents and assignments will be available on Canvas. If you have questions, please call 503-623-8336 or email using the email address provided in this document.

Student Name: _____ Class Period: _____

Student Signature: _____ Date: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____ Date: _____

Preferred Phone #: _____ Email: _____

Comments / concerns (*if any*):