

Anatomy and Physiology

Instructor: Rhonda Christman & Lauren Myrick

Room: 1309 & 1302

Prerequisites: Biology and Chemistry

COURSE DESCRIPTION:

Anatomy and Physiology is a fast-paced, **advanced** course that covers human anatomy and physiology studied with a systems approach. Topics are covered in depth. Some of the systems we will cover include: integument, digestive, respiratory, cardiac, lymphatic, endocrine, reproductive and urinary systems. We will look at both the structure and the function of these systems. We will explore human anatomy and physiology through lecture, group discussion, case studies and many labs, including numerous dissections.

GRADING POLICY

MAJOR WORK - exams, quizzes, lab practicals, long term assignments/projects	60% OF SIX WEEK GRADE
MINOR WORK – homework, labs, learning checks, etc	40% OF SIX WEEKS GRADE

• MAJOR WORK

- Students may retake or complete corrections (as determined by the teacher based on the specific assignment) any tests, quizzes, projects, or lab practicals with a score less than 80%. Limit 1 retake per six weeks.
- In the case of assessments, students must let the teacher know that they wish to complete remediation so that it can be completed before the assessment is attempted a second time. The student must email their request to their teacher within one week of receiving the test grade AND complete remediation of the subject material before the one week period is over. The method of remediation will depend on the type of assessment involved. In the case of retests: once the student has completed remediation, the student will have **3 school days** to complete the retest. The retake will consist of a different version of the original assessment which covers the same objectives and the student will receive the higher of the two grades. In some cases, it may be more appropriate for students to complete corrections on the assessment and receive points back (up to 80%.) (Lab practicals are usually not eligible to receive points back through corrections since the preserved specimens may not be available for review.)
- Project and long term assignment grades below 80% may be corrected and resubmitted within **one week** of their return date for a regrade no higher than 80%. Projects turned in after the due date will receive a grade no higher than 80% and must be turned in no later than **one week** after the due date. Assignments submitted late will not be eligible for a redo/regrade.

• MINOR WORK

- **Redo/Reteach:** Students who receive a failing grade on a daily grade may redo the assignment (or a comparable substitute) in order to bring the grade up to passing. Attempts to improve the grade must be completed within **3 school days** of receiving the original grade and students must discuss with the teacher that they want to improve their grade on that assignment and to determine the method of improvement. The final grade will be no higher than 80%. Limit 1 redo assignment per six weeks.
- **Late Work Policy:** Late work is discouraged. Daily (minor) work turned in after the due date (unless due to absence) will receive a maximum grade of 70% and must be turned in no later than **the day of the unit assessment** for that assignment. Late work may take the form of the original assignment or a comparable substitute (at the teacher's discretion.) Students should

notify the teacher if they plan to submit an assignment late. Limit **1** late assignment per six weeks.

- Assignments administered through the online textbook are an exception to this policy. These assignments cannot be submitted late as the program will submit the assignment automatically at the due date and time.

Make-up Work. Assignments that were due on the day of the absence will be due on the day the student returns to class. Previously scheduled quizzes/exams will be administered on the day the student returns to school.

The student is allowed one class day for each day of an absence to make up the assigned work. All lab work is due the class period after the lab. Students who know in advance that they will miss a class should make every effort to get the work they will miss BEFORE the absence occurs. Assignments are posted on Google classroom.

Non-Discrimination Statement

Leander ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Bryan Miller, Title IX Coordinator; 204 W. South Street Leander, TX 78646; Bryan.Miller@Leanderisd.org; (512) 570-0000. [ESPANOL \(SPANISH\)](#) // [తెలుగు \(TELUGU\)](#)

[Leander ISD CTE website](#)

Tutorials

Teacher/Room	Before School (Monday - Friday)	After School (Monday - Friday)
Christman/1309	Tuesday, Wednesday (7:40-8:10) or by appointment (<i>Note: Mrs. Christman has morning duty on A days during 1st semester and will not be available on those mornings</i>)	Monday, Tuesday (3:40-4:00) or by appointment
Myrick/1302		Tuesdays 3:45-4:15 or by appointment

CONTACT YOUR TEACHER

<u>Rhonda Christman</u> E-mail: rhonda.christman@leanderisd.org Website: https://goo.gl/MWjxuS Conference Periods: 1, 5	<u>Lauren Myrick</u> E-mail: lauren.myrick@leanderisd.org Website: Coach Myrick A&P Conference Periods: 1, 5
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Required Supplies:

Textbook: Hole's Essentials of Human Anatomy & Physiology, HS 2nd edition McGraw Hill Textbook ISBN: 9781265337018 (online digital edition) Login information will be provided.

Class supplies:

- Laptop (tablets may not be used per HB 1481)
- Poly-covered spiral (100-150 pages) or binder with numbered pages (student discretion)
- Colored pencils, scissors, glue, ruler
- Wired headphones for listening to online lessons (recommended)

Wish List Items for Classroom:

[Christman](#) - paper towels, nitrile gloves, tissues (A more complete list can be found at the link.)
[Myrick](#)

Rule of the room: Respect all others and their property. This includes: Your school, yourself and me. This rule is followed if you exhibit:

Responsibility – Take responsibility for yourself and your actions.

Effort – Exhibit effort in everything you do, from tests to homework.

Safety – Maintain a safe environment for you and others around you.

Prepared – Be prepared when you enter the classroom.

Encouragement – Always encourage your classmates.

Compliance – Comply with **ALL** school rules.

Time – Be on time and utilize your time wisely.

*** Use of laptops during class will be at designated times. Unless the teacher has given express permission for their use, electronic devices should be placed in the student's backpack or in a specified location in the classroom. Students will be using their devices in class on most days and are expected to have their charged laptop with them everyday. Students must follow district policies regarding electronic devices as outlined in the student handbook.

*** Per HB 1481 No cell phones, smartwatches, tablets, etc are allowed to be used during the school day and should be stored securely (not in the student's pocket.)

Scope & Sequence

Fall Semester*First 6 Weeks*

Unit 1 - Body Orientation - Overview of A & P: Maintenance of Life

Unit 2 – Tissues (Histology)

Unit 3 – Integumentary system

Second 6 Weeks Unit 3 – Integumentary system (cont'd)

Unit 4 – Bones & Bone tissue (Physiology)

Unit 5 – Skeletal System (Joints & Anatomy)

Third 6 Weeks

Unit 6 – Muscle & Muscle Tissue (Physiology)

Unit 7 -- The Muscular System (Anatomy)

Unit 8 – Nervous Tissue & the Central Nervous System

Spring Semester*Fourth Six Weeks* Unit 8 – Nervous Tissue & the Central Nervous System (cont'd)

Unit 9 – The Peripheral Nervous System, Autonomic and Special Senses

Unit 10 – Endocrine System

Unit 11 – Lymphatic System (includes) Blood and Immunology

Fifth Six Weeks

Unit 11 – Lymphatic System (includes) Blood and Immunology (cont'd)

Unit 12 – Cardiovascular System

Unit 13 – The Respiratory System

Sixth Six Weeks Unit 14 – The Digestive System
Unit 15 – The Urinary System
Unit 16 – The Reproductive System

****Sequence subject to adjustment throughout the year.*

"Doctors without anatomy are like moles. They work in the dark and the work of their hands are mounds."
Tiedemann: Heidelberg , 1781-1861