

Regular Anatomy/Physiology

Instructor: Mr. Michael D. Preston
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Class Times: Reg Anat/Phys – Block 1A and 2A

Discuss Tornado and Fire Drills

Room: 219J **Office:** 217J **Lab:** 221J

Prep hour: Blocks 4A and 4B

Available to Help Students: I will be available from 7:50 AM to 8:25AM (M-F) and 2:00 -3:10 (M-R) in my classroom 219J or Office 217J. I'm also available during my prep (In my room, lab, or my office). Please let me know if you need additional help or have any questions so we can arrange a time.

Course Description

This course is designed for those motivated biology students who want an in-depth study of human anatomy and physiology. The following topics and systems are just a few that will be covered over the duration of the year: Orientation to the Human Body, Basic Chemistry, Tissues, Integumentary, Skeletal, Muscular, Nervous, Digestive, Reproductive, Respiratory, and Cardiovascular. This course is taught through laboratory work, lectures, and worksheets. Anatomy/Physiology is for the student who may be interested in medicine, nursing, medical technology, sports training, physical therapy, nutrition, or other related fields. Students are encouraged to take Anatomy/Physiology II following Anatomy/Physiology I. (Dual credit with NDSCS; however the dual credit will transfer to most local colleges).

Course Objective/Outcomes

The primary objective and outcome of this course is to make the student understand the construction of the human body and how this construction is related to the function of the human body. Primary Objectives:

1. Introduce the language of anatomy and physiology and use anatomical terms fluently when describing different tissues and organs.
2. Define homeostasis and how the different systems of the body help to regulate it.
3. Identify all the different systems of the body and their primary functions.
4. Develop an understanding of the techniques and tools used to analyze anatomical structures and function.
5. Provide an understanding of the anatomy and histology and organization of cells, tissues, and organ systems and be able to recognize the gross and microscopic anatomy of the tissues and organs and also demonstrate how different tissue types interact to create organs.
6. Identify the physiological and anatomical problems associated with diseases and injuries to the human body.
7. Demonstrate mastery of the tools and equipment used during labs.
8. Develop observational skills and logical thought patterns.

END GOAL- To become a better student both Academically and Socially

Textbook:

Tortora, Gerald. 2009. Essentials of Human Anatomy and Physiology 13th Ed.
Phoenix: John Wiley & Sons, Inc.

Seating Chart: Your seat will be assigned and is subject to change.

Everyday Materials Needed: iPad, Notes, Lab Materials and Writing Utensils

Method of Presentation: The objectives for each topic are covered by varying combinations of text assignments, lectures, lab discussions, lab exercises and selected use of audio-visual materials.

Methods of Evaluation:

1. **Exams** - Multiple Choice, Short answer, Listing, Fill in the blank, True/False, Diagrams and Essays. (MAY be different for each class.)
 - a. Make-ups will be in accordance with the school policy (responsibility of the student- **NO EXCUSES WILL BE ACCEPTED**)
 - b. **Make-ups** exams might be different from the original exams. (Same material different format- helps to eliminate cheating)
2. **Quizzes**- must be taken prior to any extracurricular activities.
3. **Online quizzes**- All online quizzes will be **completed** the day **before** the exam is taken. No excuses.
4. **Lab Reports and Lab Test (Quizzes)**- take place in 221J and 201J

Grading Scale:(weighted grades- 60% Tests/Lab Exams, 40% Quizzes/Homework)

A=90-100%	(89.499% is a B- no exceptions)
B=80-89%	
C=70-79%	
D=60-69%	
F=59% and below	<u>*NO EXEMPTIONS – Every student must take the final.</u>

Review Sessions: Test and Quiz review sessions will be offered, but only when asked for by a student/students.

Missing Assignments- If a student misses a test or lab, it is their responsibility to make it up in a timely manner. I will be strictly adhering to school policy. (Computer problems, work problems, etc. will not be tolerated.)

Make-up work- Any make-up assignments will be graded within 5 days of being turned in/ completed.

Attendance: Unexcused absences will result in an automatic zero for the day and any missing assignments prior to the unexcused absence.

Tardiness: You will be expected to be in the room prior to the bell ringing. Tardiness will result in 15 minutes before or after school.

Classroom Rules/Expectations:

1. **NO CELL PHONES, Smart Watches, Musical Devices and/or Headphones/Earbuds**
2. **Hoodies** will be asked to be lowered to check for earbuds.
 - If caught with earbuds, you will no longer be allowed to have your hoody up during class.
3. **Hats** will not be worn on days that have tests, quizzes, or labs.
4. PLEASE do not bring **food** into the classroom.
5. **All** drinks will be in a spill-proof container.
6. Be **RESPECTFUL!** (NO talking when I am talking or when your peers are talking)
7. Try to maintain a **POSITIVE** attitude (No Negative comments about others)
8. Remain in your **seat** until the bell rings.
9. Cheating will result in an automatic **ZERO**. Administration and parents/guardians will also be notified.
 - Includes using cell phones and I Pads, looking at neighbor's answers, talking during tests/quizzes, writing answers on desk, looking at notes on the floor.
 - Be aware I will call you out in the middle of class. If you argue you will be asked to leave.
 - If your neighbor helps you cheat, you will both receive zeros.
 - Anyone using AI (artificial intelligence) inappropriately will receive a zero on the assignment.
10. Students must use E-Hall Pass to **Sign-out** when leaving the room.