

Ida High School
Course Syllabus
2020-2021

Course: Anatomy and Physiology I
Prep Period: 2nd Hour
Email: laroy@idaschools.org

Instructor: Scott M. LaRoy
Office: Room 114
Phone: 734-269-9003 ext. 1114

Ida Public Schools Mission Statement:

To bring students, staff, and community together to maintain our rich traditions. We will provide students with a safe learning environment, an exceptional curriculum, skills to meet the challenges of the future, and the means to become lifelong learners.

Curriculum:

- *The curriculum for this Anatomy & Physiology course is no less than our established curriculum, which is posted on our website, for our traditional 180 days of face-to-face instruction.*

Class Structure:

- Hybrid Learning: In a normal 5-day week, students will attend two class periods for in person instruction and will be assigned remote learning through Google Classroom three days a week. School holidays will be observed.
- Distance Learning: If the school district moves to distance learning, all instruction will be delivered through Google Classroom. School holidays will be observed.

Mode of Communication:

- All group communications, materials, and assignments outside of in-person classroom time will be posted on established Google Classroom pages.
- Individual questions and concerns should be communicated through email. Students will need to be familiar with their school provided email account.

Modes of Instruction:

- In-person instruction will consist of lecture/ note-taking, assessments, reading, discussions, visual aids, and guided practice.
- Distance learning materials and assignments will be posted to Google Classroom and will consist of videos, lecture slides, web links to material/ reading, and practice problems.

Materials Needed:

- In person class time will require a notebook, writing utensils, and a mask.
- Distance learning will require a reliable device and internet service capable of accessing Google Classroom.
- Any student who needs assistance in obtaining a reliable device and internet service capable of accessing Google Classroom should contact Mr. LaRoy or the High School office. We will make every effort to ensure that every student has access to the materials they need to succeed, but we need to be aware of your needs!

Responsibilities for the Class:

- Mr. LaRoy's Responsibilities:
 - Post daily materials and assignments in a timely fashion.
 - Make necessary changes to materials and assignments in a timely fashion.
 - Check email frequently and respond to questions in a timely fashion.
 - Check Google Classroom for completed work frequently.
 - Post Grades in e-school for completed work in a timely fashion.
 - Contact parents of students who are missing two or more assignments.
- Student Responsibilities:
 - Check Google Classroom for new materials and assignments in a timely fashion.
 - Ask questions and seek help from Mr. LaRoy, your family, and your friends when necessary.
 - Complete and submit assignments by due date.
 - Check e-school/ Home Access Center weekly for updated grades.

Classroom Rules:

1. **“The Golden Rule”:** Treat others as you would like to be treated.
2. **Honesty is the best policy.**
3. **Come to class on time.**
4. **Be prepared.**
5. **No food or Drink.** This classroom is also a laboratory; you may only eat or drink when given special permission.

Grading Policy: This course will be graded based on total points earned. Each assignment (HW, CW, lab, test, etc.) will be worth a number of points (5-150). The number of points you earn out of the total number possible will determine your grade. Points in each semester will be distributed among assessments according to the following APPROXIMATE percentages (subject to change at any time).

Tests/ Quizzes	90%
Daily Work/ HW	5%
Labs/ Projects	5%
Total	100%

Semester grades are calculated, according to the student handbook, as follows:

Semester Grade	80%
Final Exam	20%
Total	100%

Grading Scale:

A	93-100%
A-	90-92%
B	83-89%
B-	80-82%
C	73-79%
C-	70-72%
D	63-69%
D-	60-62%
F	59% and below

Grade Checking Policy:

Grades will be available on e-school at all times. I will make every effort to post grades promptly; it is up to YOU, the student, to check your grade. I will not use class time to check individual grades. If you have a question about a particular score see me ASAP. Do not wait till the end of the semester!

Attendance/ Make-Up / Late Work Policies

According to the school policy a maximum of 10 absences are allowed to receive credit for a course. YOU, the student, are responsible for asking for missed assignments, make-up tests, etc.

Students will have the same number of days they were absent to make up ANY assignment. For example; Jane is absent two days, she has two days to turn in her make up work.

Anatomy and Physiology I Course Outline

The information below outlines major instruction topics for the first semester Anatomy and Physiology course. All topics and sequences are subject to change and represent a plan of instruction. The instructor may choose to add, remove, or rearrange topics at his discretion.

Introduction/ Basic Organization of the Body

- A. Prefix/ Suffix Vocabulary Study
- B. Body Cavities and Body Regions
- C. Planes of the Body and Anatomical Directions
- D. Levels of the Organization
 - a. Cells
 - b. Tissues
 - c. Organs
 - d. Systems

Biochemistry

- A. Carbohydrates
- B. Lipids
- C. Proteins
- D. Nucleic Acids

Cells

- A. Cell Structure
 - a. Cell Membrane
 - b. Cytoplasm and Organelles
 - c. Nucleus
- B. Physiology/ Functions
 - a. Movement of Substances
 - b. Metabolism
 - c. DNA

Tissues

- A. Epithelial
 - a. Structure: Cell shapes and layers
 - b. Functions
- B. Connective
 - a. Proper
 - b. Supportive
 - c. Fluid

The Skeletal System

- A. General Functions
- B. Bones
 - a. Names and Number: (Skull, Face, Ribs, Vertebrae, Arms & Legs)
 - b. Markings/ Structures
 - c. Male and Female Differences
- C. Joints - Articulation
 - a. Types
 - b. Movements

The Muscular System

- A. General Functions
- B. Skeletal Muscle Cells - Microscopic Structures
- C. Basic Principles of Muscular Contraction/ Sliding Filament Theory
- D. Functions - Energy Sources - ATP
- E. Muscles – Names/ Locations/ Connections