



JB24

Honors Human Anatomy and Physiology

Mr. Burghardt, Ponderosa High School

Email: jburghardt@eduhd.k12.ca.us (Do not email your assignments unless instructed to do so).

Phone: 530-677-2281 extension 2249 (checked three times per week).

Google Classroom: You are responsible for checking this daily for the weekly agenda, assignments, and due dates. You will be automatically added once the school year begins.

Course Description: This course is the only honors-level course taught at Ponderosa and is equivalent to a college-level Human Anatomy and Physiology course. This course will cultivate your understanding of the human body by focusing on the biochemistry, anatomy, and physiology of the human body systems. Cells, tissues, organs, and organ systems will be examined in detail, with an emphasis on the medical field. Dissection of specimens and organs is expected.

Prerequisites: B or better in Biology, **and** C or better in Chemistry, **and** C or better in Algebra II.

College Prep Credit and Work Load Expectations: This course meets the 4-year California University College Prep “D (lab science)” or “G (elective course)” requirement. As an honors course, a student earning a grade of C or above may earn an extra grade point on his/her transcript (identical to an Advanced Placement course). The College Board does not offer an AP exam for Anatomy/Physiology. Part of being an exceptional student is knowing how to prioritize your life and manage your time so you can meet all of your obligations. It is expected that each Advanced, AP, or Honors level course will have one to two hours of work outside of class per night (homework, lab reports, studying...). Aside from this commitment, regular student attendance and participation in class are required to earn the weighted GPA credit. See the “Earning Lab Science Credit” section for more details.

Class Policies (in addition to the District and Ponderosa’s student discipline policy):

1. Be on time and prepared to work every day. Assignments are due at the start of class. Excessive tardies will result in a referral.
2. Complete your assignments with an honest effort. Do not copy from another student or online source. Any student caught cheating will receive a violation of academic integrity referral.
3. **No late work is accepted.**
4. Treat other people, their property, and lab specimens with respect and dignity.
5. Clean up after yourself and follow directions.
6. If you are not sure or you find yourself falling behind, ask the teacher for help before it is too late. It is always easier to keep up than it is to catch up.
7. Never put yourself or others in danger by being careless or unprepared.
8. Due to the use of chemicals in class (and cat fur –yuck!), no food or open drinks in class.

Google Classroom:

A weekly agenda outlining discussion topics, assignments, and due dates is posted in Google Classroom. You will also find copies of the slide decks used in class as well as assignment descriptions posted. Read the assignment description and follow the directions given in class for how to turn in your assignments.

Electronic Device Policy (cell phones, earbuds, smartwatches...)

1. Unless otherwise instructed by the teacher, cell phones, earbuds, smartwatches, and other electronic devices **shall be turned off or silenced, not used, and stored in a backpack or pocket during the class period.**
2. Any audio or video recording of peers, teachers, or visitors to the classroom without prior consent is prohibited and violates District and State policy.
3. In some instances, using a phone as a calculator or timing device during a lab may be permitted with teacher approval. Always ask before using.

Class Supplies (If you cannot provide these, please talk to the instructor):

1. A notebook, composition book, or other media for note-taking.
2. A 3-ring binder or folder for handouts given in class.
3. Colored pencils at home (a supply is available in class).
4. Gloves for dissection (recommended nitrile gloves – these can be stored in class)
5. Texts: Essentials of Human Anatomy and Physiology, 10th edition, **replacement = \$120.**
Human Anatomy and Physiology 10th edition, **replacement = \$310**
6. Internet access and a printer. The library does have wi-fi, Chromebooks, and printers available. Plan ahead. You will not be allowed to leave class and go to the library to print an assignment on the due date.

Quiz Policy:

Normally, at least one quiz will be given each week. Quizzes may not be retaken. Study your quizzes, you will see these questions again on exams!

Exam Policy:

A unit exam will conclude each topic covered in class, labs, homework, and in the assigned reading. Exams may not be retaken in Honors Anatomy and Physiology. Per UC regulations for an Honors course, the semester final exam will constitute at least 20% of the overall grade. Make-up exams for excused absences will be a different version.

Classwork:

In class and on Google Classroom, a daily and weekly agenda will be posted along with all assignment due dates. A study guide will be given at the start of each unit. Typically, a few sections are due each day. The work completed in the study guides must be authentic and not copied. Read your text and do your own work to be successful. Grades are posted on the ABI website. Most work, especially lab reports, is required to be typed.

Remember: Assignments are due at the beginning of the period and late work is not accepted. Take advantage of the time given to you so that technical issues do not impact your grade.

Dissections:

While class discussions, reading, watching videos, guest speakers, and other forms of topic delivery are important; there is no substitute for “getting your hands dirty.” In class, several dissections will take place to help show the amazing detail of mammalian anatomy and physiology. Primarily, you will work with a group of students to dissect a cat and many other mammalian organs. For each dissection, your instructor will provide you with proper instruction and your group will document their examination with digital pictures that will later be used to develop a lab report. If you have any concerns, please talk to Mr. Burghardt.



Earning Lab Science Credit

This course is considered an entry-level college **lab science** course by the University of California: *“Courses include teacher-supervised, hands-on laboratory activities that are directly related to and support the other class work, and that involves inquiry, observation, analysis, and write-up. These hands-on inquiry-based activities will constitute a significant portion of the instruction and account for at least 20 percent of class time”.*

Labs normally consist of working in a group to analyze a problem and then develop and conduct an experiment. This experience cannot be simply made up with a worksheet. It is expected that the student attends, actively participates, and completes the entire lab process. Failure to complete this process may impact the academic letter grade, UC/CSU lab science credit, and/or the weighted honors designation on a transcript regardless of performance on other class assignments (homework, classwork, exams, quizzes, etc) or the letter grade recorded in the Aeries grade book. The teacher will notify both the student and parent in writing if the student is in danger of not meeting the basic mastery of basic course lab objectives required for UC lab credit and Honors distinction.

EDUHSD Lab Science Credit and Make-Up Policy

Rev: May 28, 2018

Grading Policy: *Your instructor’s evaluation of your science lab participation and standards mastery is based on the following scale (per District Administrative Regulations):*

"A" Outstanding Achievement: Denotes mastery of the objectives of the course. Typically 100-90%

"B" Above Average Achievement: Denotes mastery of most objectives of the course. Typically 89-80%

"C" Average Achievement: Denotes the mastery of basic course objectives. The teacher would certify that the student has the skills and understanding necessary to basic goals and objectives of the course. Typically 79-70%

"D" Below Average Achievement: Denotes the mastery of the minimum objectives of the course. Weak performance. The teacher would give this grade to a student who would require remedial or additional work to achieve a satisfactory standard of performance for the course. The student reached a minimal number of the objectives of the course. Typically 69-60%

"F" Little or No Achievement: Denotes the student did not meet the minimum standard as defined by the course objectives. Typically 59% and below.

Make-Up Work Policy

Students with an excused absence are allowed to make up work missed or receive an alternative assignment (please refer to the lab make-up policy below for the exception). Students with certain unexcused absences must prearrange their absences to earn credit for assignments. Cutting class is never permitted and no credit will be earned for missing assignments.

Google Classroom: The key to success is not to fall behind. The weekly agenda posted on Google Classroom will outline everything that happens during your absence. All notes, assignments, and instructions are located on Google Classroom. If you are able, copy the notes and complete your work at home. Be sure to read the description posted for the assignment. In some instances, you may be required to complete the work on the day you return. Remember, it is your responsibility to make up the work. If you need clarification, email Mr. Burghardt.

Unanticipated Excused Absence (illness) On The Day an Assignment Is Issued: The general school guideline (not policy) is two school days per day absent including days that you do not have this class. Remember, the expectation is that you do not fall behind and that you are attempting the assignment at home if possible by following Google Classroom.

Unanticipated Excused Absence (illness) On The Due Date: If you were present when the assignment/quiz/exam was issued it is due the DAY OF YOUR RETURN. Plan and communicate via email with your instructor.

Anticipated Absence Due to an Activity or Planned Event (athletics, off-campus competitive team, field trip, on-campus activity, rally, ASB event, AP Exams, performing arts event, doctor appointment, college visitation, family vacation ...): It is your responsibility to **prearrange your work before your absence**. In most cases, the work will be due before you leave and deadlines will not be extended. Failure to prearrange will result in no credit for the assignment, quiz, lab, or exam. This is District policy and is also outlined in the EDUHSD athletic manual on page 6. Technically vacations are unexcused absences, but with prior communication, work may be able to be accepted for credit.

Making up missed Exams/Quizzes: You are expected to be made up **on the day you return to class**. Communicate via email with your instructor to arrange the time and location.

Long-Term Absences: If you are ill and absent for an extended period (a week or more), contact the school and have work sent to the office for pick up. Remember that vacations are unexcused and must be prearranged before your absence to earn credit.

EDUHSD Make-Up Policy for Labs

If you are absent for a lab experience, the teacher determines what the make-up assignment consists of and will issue one reasonable makeup opportunity. Failure to attend the scheduled makeup session will result in the student not earning credit for that lab. Efforts will be made to provide students the opportunity to make up labs, but not all such requests are reasonable given the scale and scope of particular labs. For some labs (including but not limited to dissections), it may not be reasonable to reconstruct the entire lab. Failure to attend and complete lab assignments may result in the student being unable to demonstrate mastery of the required UC lab science and Honors designation requirements. Per EDUHSD policy, if a student shows a pattern of chronic absenteeism due to illness (more than 14 per academic year), district staff may require physician verification of any further student absences.

EDUHSD Lab Science Credit and Make-Up Policy

Rev: May 28, 2018

Advice From Your Instructor:

I look forward to a wonderful journey with you this year! I have taught science for 34+ years (all but one year at Ponderosa), and by far Anatomy and Physiology are my favorite subjects. I have high expectations of you and I expect your best effort to be completed with honesty and integrity. In turn, I will give you everything I know to assist you. This class is best when the class discussions involve you and your classmates asking questions and not just me telling you information.

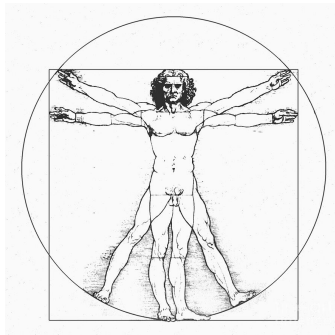
This class is designed to resemble a college course where essential information is presented in class and you are required to master the concepts by completing the assigned reading and assignments away from class. A general understanding of both cellular biology and chemistry is expected and most students in this class have experienced great success in these courses. Congratulations, you have figured it out! Continue with your successful ways by studying daily, actively participating in class, and above all asking for help if you start to fall behind. Many students are taking this course and getting together to quiz (not copy from) each other is always a best practice. Use Flex time for this where I am in the room to help you!

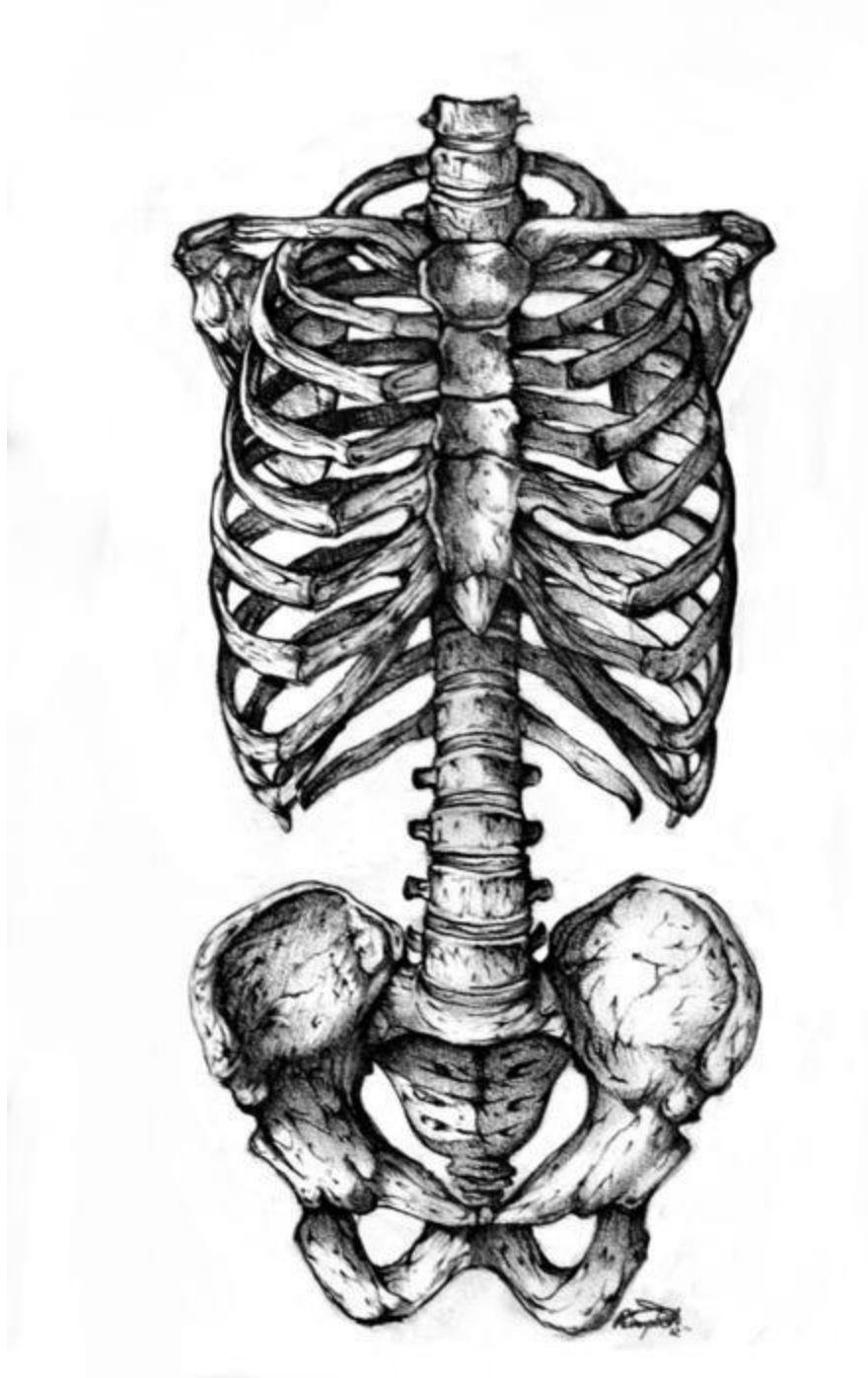
Mastering anatomy and physiology requires excellent memorization skills. Topics continuously reappear throughout the year as the human body is very integrated and body systems overlap. Never put off your studying or assignments until the last minute or wait for a deadline to motivate you. I will always review an assignment early with you but will not accept an assignment late.

I am often asked: “What the trick is to do well in this course.”

The trick is that there are no tricks. To be successful in Human A&P it takes time, effort, and integrity. Students who copy or simply look up answers online simply don’t know the information to link the connections between the human body systems. Students who are the most successful are focused on mastering the information and are not centered on just assignment completion.

I hear from students every year that this is the first class that they have taken in high school that requires you to complete the assigned reading and study every night. I also hear from former students that this class prepared them for college better than any other class they have taken. Many tell me they are the only student earning an “A” in their college-level anatomy or physiology course and that they can help other students because they took Honors A&P at Ponderosa!





BE SURE TO SIGN AND TURN IN THE NEXT PAGE BY THE DUE DATE.

HONORS HUMAN ANATOMY & PHYSIOLOGY POLICIES

Student Name (please print)

Period

“I have read and understand the class policies described in this course syllabus.”

Student signature

Date

Parent/Guardian signature (if the student is under 18)

Date

Please sign and return this page to Mr. Burghardt on or before the due date. Keep the course syllabus for your reference.

A copy of this syllabus is also located on Google Classroom and Mr. Burghardt’s website (phsmrb.weebly.com)