

# Biology 72: Human Physiology Hybrid Syllabus

Spring 2020: Section 204, Reg ID #100957

Evergreen Valley College

Dr. Hays

**Class Time/Location:** T/Th 11AM – 2:05PM in S-129

**Professor Name/Contact:** Dr. Hays, [physio@doctorhays.com](mailto:physio@doctorhays.com), 408-274-7900 x6585

**Office hours:** T/Th 9-11AM, 2-2:30PM. My office is in Sequoia Rm 103. We can also chat using Canvas through the EVC website.

## Teaching Philosophy:

My philosophy is to provide you with a comfortable learning environment where you can not only listen, but speak. I want to be an enthusiastic teacher, share my love for science and inspire you to do your best in this course. I am open to hearing your concerns and needs and will respect your ideas.

## About the Course:

This class is a human physiology course for students entering the medical professions. You will leave this class with a better understanding of how the body works to maintain homeostasis. You should already have learned the anatomical features of the body and you will now be introduced to the physiology of the body. Physiology is a challenging topic. With your dedication and participation in lecture and laboratory, you will be able to succeed.

## Course Content:

Cell physiology, neurophysiology, muscle, endocrine, sensory, circulatory, immunity, digestive, respiratory, urinary, acid/base balance, and reproductive physiology.

## Student Learning Outcomes:

Upon completion of this course, the student will be able to:

1. Explain the homeostatic mechanisms, controls, and specific functions of the systems of the human body.
2. Design, construct, and quantify experimental methods to evaluate human physiological systems.
3. Interpret data and present findings of physiology laboratory experiments.
4. Analyze and explain medical and health science-related scenarios of physiological system disruptions.
5. Evaluate information concerning selected topics within the theme of homeostasis and human physiology.

## Academic Honesty Policy:

All homework must be your original thoughts and work. Do NOT copy from the textbook, other students or the Internet. If any work is copied, there will be ZERO credit given for homework. I will be comparing homework between students. I will also be searching the Web

for copy/pasted answers.

**Cheating:** I will not tolerate cheating. I know the tricks of the trade having been a student for many years! It's a big problem if students don't learn the material. If this class is to train you to be in the medical field, it may be someone's life that is damaged due to the lack of knowledge.

**Warning:** If I catch a student cheating, I will **automatically drop** him/her from the class.

### **Grading:**

You determine your grade. I will make the exams fair and challenging. It is up to you to work hard and learn what I am teaching. Your grades will reflect the effort that you put into the class. There is no extra credit with this grading scale.

The grading scale will be based as follows:

88.00 - 100% = A

78.00 – 87.99% = B

68.00 – 77.99% = C

58.00 – 67.99% = D

below 58% = F

## **Classroom Etiquette**

**Diversity:** Together, we will make our classroom a “safe” place to be. We all need to be aware of the diversity of the students in our class and the issues that may need to be addressed. Issues that are apparent to me are: gender equity, cultural diversity, learning and physical disabilities, international students, and re-entry students. What this means is that we must all have respect for one another and be aware of how our behavior will affect those around us. This is especially important during our laboratories.

Please speak English during class. Everyone here needs to learn physiology and it is helpful to your fellow students to hear all that you say. Sometimes students feel awkward when others are speaking a language that is foreign. To encourage class unity, please use English.

**Electronic devices:** Because of potential spills and lab safety, laptops are not permitted unless students need it for a proven disability. Phones must be used for class work ONLY and should not be a distraction to you or your fellow students. If you need to do something besides class work on your phone, please step outside.

**Food:** Please do not eat or drink in the room. Water bottles and coffee cups cannot be placed on the lab tables.

**Smoking:** Evergreen Valley College is now a NON-SMOKING, NO VAPPING campus.

**Tardiness:** Make effort to arrive on time. I waste no time in getting started and you will miss important information if you arrive late. If you do come in late, please don't disrupt the class.

**Children:** For safety reasons, and in consideration of your colleagues, children are not allowed in class at ANY time.

## Students' Responsibilities

**Commitment:** Each student who is enrolled in this class should be committed to doing his/her best in the course. With this commitment, you will succeed in the course and find that you will be proud of yourself for putting out your best effort.

This is a 5 unit course. As a general guideline, it is expected that each unit of a college level course will require 3 hours of your study time each week. This means that you will spend 15 hours/week studying for this course. Some students require more and others less. In either case, I want you to be aware that you will need to devote ample time to learning this material.

**Disabilities:** If you have a learning or physical disability, be sure to contact the Disabilities Support Program to begin the proper paperwork – 408-270-6447 - then come and discuss your disability with me.

**Exams:** There will be 4 exams. One third of the exam is multiple choice from lecture topics. One third is short answer questions from lecture topics as well. Finally, one third of the exam is fill-in-the-blank questions from laboratory procedures and findings.

You will need the long, green **Scantron #882-ES** (from bookstore) for each exam. You will also need a calculator. Graphing calculators, cell phones and smart watches may **not** be used.

There will be **no make up exams**.

Please arrive on time for the exams. The time limit for the exams is 2 hours. Refer to the Lecture Schedule for the date/time/room for each exam.

**Quizzes:** There are also no makeup quizzes. The quizzes are given during the first few minutes of class and if you arrive late, you will **not be given the quiz**. The quizzes are worth 6 points each. You will need the short, green **Scantron #815** for each quiz.

**Participation on-line:** Since this course is mostly on-line, you are required to participate in weekly discussions using our class Canvas page. You can get to Canvas by going to [www.evc.edu](http://www.evc.edu). I will post Discussion topics for lecture and lab and you are required to post a comment to my topic or reply to another student to get credit. Students are also required to read all posts.

Each Friday at noon (starting the second week of school) I will grade the Discussion Boards. You may post to any discussions that are open. You must participate each calendar week (Friday to Friday). Any postings after noon will be considered as part of the next week's participation points.

**4 points** - TWO or more substantial postings each week, original and thoughtful analysis, and clear, fluent writing. Asking an advanced question is also worthy of points. Answering a question also gets points.

**2 points** - ONE substantial posting each week, original and thoughtful analysis, and clear, fluent writing. Asking an advanced question is also worthy of points. Answering a question also gets points.

**0 points** - short/minimal postings, no postings, or asking basic questions

Only 2 posts are required by each Friday deadline but you can write more if you like. The maximum points possible at each due date is 4. Most students get the full 4 points simply by participating. If your post is not reaching the standard that I expect, I will send you an email to let you know.

Points are not given for repeating information already provided by another student. However, you can reply to another student to add to the topic.

If you want to send a link to a video or website, you must first summarize it in 3-4 sentences. Then post the link for those who want to learn more.

As part of our on-line etiquette, please be careful when posting links to websites. Sometimes websites have good information, but the advertisements on the page are inappropriate. Remember that the whole class will be directed to the site and we need to avoid spam and viruses.

**Prerequisite:** You must have successfully passed one semester of college chemistry, intermediate algebra, plus a semester of anatomy to take this course. You are expected to remember detailed human anatomy. The dean will be checking pre-reqs. If you did not take anatomy, you will be dropped.

**Studying:** This course will require many hours of studying time outside of the lecture time. The key is how to use your time wisely. You need to decide what topics have priority because with our busy schedules, study time is often limited. You also need to analyze the type of learner you are: audio, visual, or hands-on. You can try this website

to give you ideas: <http://www.educationplanner.org/students/self-assessments/learning-styles-quiz.shtml>

I can help you learn how to study with more efficiency. Please read the “How to Study” guide on my webpage [www.doctorhays.com](http://www.doctorhays.com). This guide was written by my favorite university professor.

Read the chapter before watching the lecture and find other students to study with.

## **Course Materials**

### **Lecture Materials and Notes**

All of the lectures are recorded with my voice and Powerpoint presentation just like a regular class. Watch them regularly as if you were taking the class on campus. This will help you to stay on top of the class

Students will receive a username and password during the first week of school to access the lecture materials. Please do not share it with other students and friends. It is for our class only.

### **Textbooks (required):**

Fox, S.I., *Human Physiology*, 15<sup>th</sup> edition, 2019.

Fox, S.I., *Human Physiology Laboratory Guide*, Custom edition for EVC

Stabler, T., *PhysioEx 9.1*, 2013 (CDROM or Internet Version)

You should be able to find these used on-line. Some students rent them.

Put your name and phone number in your books and never leave them unattended.

You are responsible for reading the textbook chapters we are covering. The book will elaborate on topics that I will only briefly cover. To help your understanding, I highly recommend you read the chapter. Reading is an excellent way to reinforce your learning.