

# A. INSTRUCTIONAL SYLLABUS

## COURSE

BI 231H-01, Human Anatomy and Physiology

## INSTRUCTOR

Andrew J Petto, PhD.: [andrew.petto@alverno.edu](mailto:andrew.petto@alverno.edu)

## REQUIRED TEXTS AND MATERIALS

The Class textbook is *Hole's Human Anatomy and Physiology, 15th edition*, by David Shier, Jacki Butler, and Ricki Lewis: McGraw Hill Education, ISBN(text): 978-1-259-86456-8.

You may use an older edition if you choose to, but you will have to figure out the reading assignment pages for yourself!

You will also receive a free preprint of *The Bridge Between A&P and Pathophysiology* by Patricia S. Bowne.

## COURSE DESCRIPTION

This course covers the basic structure and function of all major body systems, based on recommended outcomes from the Human Anatomy and Physiology Society. The eight units are:

Unit 1: Homeostasis, Osmosis, Nerve Firing

Unit 2: Central Nervous System, Autonomic Nervous System, General Senses, Taste and Smell

Unit 3: Special Senses (Eye and Ear) and Skeletal Muscle Cell Function

Unit 4: Smooth and Cardiac Muscle, Heart Function, and Blood Flow

Unit 5: Circulatory System: Cardiac Cycle, EKG, Clotting, Lymphatic/Immune System

Unit 6: Respiratory System and Oxygenation

Unit 7: Digestive and Endocrine Systems

Unit 8: Urinary and Reproductive Systems

## COURSE OUTCOMES

By the end of this course, you will be able to:

1. Correctly identify which physiology concepts are relevant to a given situation or question'
2. Accurately state normal physiology, identifying cause-effect relationships'
3. Correctly identify how a given situation interferes with or alters normal physiology'

**4. Make and support reasonable inferences about the consequences of this interference or alteration.**

## **COURSE EXPECTATIONS**

### **Contacting Your Instructor**

The best way to reach me is via email. We can also chat via Zoom, but to set up a time to do so, you want to start with email. My email address is [andrew.petto@alverno.edu](mailto:andrew.petto@alverno.edu). I will respond within 2 business days during the duration of the class.

### **Assignment Submissions**

You will complete non-proctored assessments and submit assignments via Moodle or links on Moodle. Proctored assessments will be completed via the proctoring service.

### **Feedback**

You should expect feedback on submitted assignments within 3 business days of the due date. Feedback is delivered via Moodle. It is your responsibility to check for feedback.

Assessment scores will be available on moodle after the assessment is closed.

### **Attendance**

This class does not contain any synchronous activities for which attendance is required. Group and pair activities can be carried out synchronously if you choose, by zoom meetings or the platform of your choice, or asynchronously via email or flipgrid. You may pace yourself through the class. Please be aware that keeping to the schedule as much as possible is a major key to successful completion of the class.

### **Additional College Policies**

You will be expected to adhere to policies specified in the student handbook as well as the following. Please review them to be sure you understand what is expected of you.

- [Copyright Policy](#)
- [Technology Use Policy](#)
- [Student Handbook](#) – Policies regarding email, academic honesty, and professional behavior
- [Netiquette Suggestions](#)

### **College Resources**

The following resources may be useful to you in this class.

- [Technical support](#)
- [Academic support](#)
- [Disability Services](#)

## COURSE ACTIVITIES

The course is divided into 8 modules with the idea that if you complete one module per week, you will finish the course within the allowed 8 weeks. Each module is outlined in a study guide which suggests a sequence of activities – readings, tutorials, videos, group or pair activities, word lists, practice questions – that will lead you through the material in an organized way. The study guide also tells you what homework is due, when it is due, and what outcomes you should be able to demonstrate on the assessment.

I hope this course contains a wide enough variety of resources that there are some that work for anybody! Try them out and decide which are your go-to activities and which are the ones you will only do if you have time. As long as you prepare for the outcomes, I don't care what resources you used to do it.

### Assignments/Assessments

There are three major categories of assessments in this class.

1. **Homework assignments** are listed in each module, along with the points you can get by completing them on time. I strongly recommend your doing the homework, as it is designed both to make your learning more collaborative (group and pair work) and to help you use your study time most effectively and set you up for future classes based on this material (one-pagers). The homework all together counts as one assessment.
2. **Non-proctored assessments** are delivered via Moodle. There are four non-proctored assessments. These are open-resources assessments, but they are time-limited so you will still want to master the material before beginning one. You may drop the lowest of your non-proctored assessment scores.
3. **Proctored assessments** are delivered via a remote proctoring service. There are four proctored assessments, and they each focus on two units and may have occasional questions from earlier material. Proctoring will cost \$10 per assessment. You will make all arrangements and payments for taking these assessments directly with the proctoring service.  
You may do a makeup of one proctored assessment. Makeups will be offered through the proctoring service during the last week of class.

See the course schedule for due dates. Proctored assessments not completed by the deadline are scored as 0. Homework and non-proctored assessments not submitted by the deadline lose 10% per day late.

### Passing the class

This class has the equivalent of nine graded assessments: four non-proctored assessments, four proctored assessments, and your homework.

To pass the class, you must:

1. Pass at least three of the proctored assessments with a score of 70% or above.
2. Achieve an average of 70% or above for the course as a whole, after you have dropped your lowest non-proctored assessment score (or the homework score, whichever is lowest). This means that you need a total of 70 points on 8 assessments = 560 points to pass. Moodle will keep track of them for you.

If you fall behind in the class, you may work to catch up as long as the class is still in session. I do not recommend planning on this strategy. Note that late penalties will apply for the assignments, so if you fall far enough behind, it may not be possible to get to a passing mark even if the class is still in session. Once the class ends, any missing assessments or assignments will be scored as 0 and your final progress will be determined accordingly.