

BI110: Survey of Anatomy and Physiology

Mr. Fried, Instructor

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Office Hours:

See Blackboard

Course Description:

This course is a systems overview of human anatomy and physiology. Topics include structure and function of integumentary, skeletal, muscular, nervous/endocrine, immune, digestive, cardiovascular, urogenital, and respiratory systems. This course presents development and integration of these systems as a basis for understanding the anatomical and physiological aspects of humans. This course will not count for credit in the science or clinical health profession programs (Nursing, Radiologic Technologies, Respiratory Care, Surgical Technician).

Required Materials:

Textbook:

Anatomy and Physiology from OpenStax, Print ISBN 1938168135

Free Download → www.openstax.org/details/anatomy-and-physiology

Can also be purchased from the MVCC Bookstore or Amazon.com

Lt Online Access Code: Available at the MVCC bookstore

Student Objectives

1. Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.
2. Recognize the anatomical structures and explain the physiological functions of body systems.
3. Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.
4. Use anatomical knowledge to predict physiological consequences, and use knowledge of function to predict the features of anatomical structures.
5. Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.
6. Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.
7. Interpret graphs of anatomical and physiological data.
8. Demonstrate information literacy skills to access, evaluate, and use resources to stay current in the fields of anatomy and physiology.
9. Approach and examine issues related to anatomy and physiology from an evidence-based perspective.
10. Communicate clearly and in a way that reflects knowledge and understanding of the human body and demonstrates the ability to adapt information to different audiences and applications.

Evaluation:

Your grade in this class will be based on the points you earn, out of a possible total of 800 points, allocated as follows:

Each module is worth up to 50 points:

1. Prequiz: You will get one point for attempting the quiz –	12 points total
2. Wiki Definitions: 4 Points –	36 points total
3. Wiki Quiz: 5 Points -	60 points total
4. Module Activities: 10 – 25 Points per module	200 points total
5. Module Quiz: 20 Points –	232 points total
6. Final Case Study Set	<u>100 points total</u>
	640 points possible

Additionally, a final set of case studies will be worth 100 points.

Letter grades will be assigned based on the following general categories:

576 points or higher – A
 512 – 575.9 points – B
 448 – 511.9 points – C
 284 – 447.9 points – D
 Less than 284.9 points – F

These categories are guidelines I will use in grade assignment-your participation, improvement over the semester and overall class performance will also be considered in the assignment of letter grades.

Weekly Module Expectations:

You will have about 1 week to complete each module. The module start and end dates are listed in the course schedule. For each module you will be required to complete the Prequiz, Wiki Definitions, Wiki Quiz, Module Activities, and Module Quiz. Over the course of the two-week module, here is the expected timing: first you will have to take the prequiz to open the module, once the module is open, you have the first week to complete Wiki Definitions and Module Activities. In the second week, you will have to complete the Wiki Quiz and Module Quiz. Further expectations are listed below.

Wiki Definitions: During each week, your class will be assigned a series of vocabulary words from the module/chapter. Your class will be responsible for defining those words in the Blackboard Wiki area for that module. Other members of the class may decide that they want to change your definition, which is fine. Also, **DO NOT CUT AND PASTE DEFINITIONS FROM THE MODULES OR FROM OTHER WEBSITES!** The goal is to put these definitions into your own words to help you and others in the class to understand the terms. The Wiki Definitions are worth 56 points towards your final grade. There will be 14 modules with Wikis. Credit for wiki definitions is not solely based on quality of your definitions. Below is

the grading rubric for wiki definitions; you are expected to post or revise between 3 and 5 definitions each week.

0 Points	1 Point	2 Points	3 Points	4 Points
No Activity	Quantity			
	1-3 Entries	1-3 Entries	3-5 Entries	3-5 or Greater
	Quality			
Only minor revisions	New Entries or Minor Revisions Low Quality - Not Edited - Wrong - Incomplete	New Entries or Revisions Medium Quality - Incomplete - Not in own words	New entries or Major Revisions High Quality - Meaningful Content	

Wiki Quizzes: These will be 5-point quizzes that will be matching answers based on you classes Wiki. The quiz definitions will be drawn directly from your definitions created in the Wiki.

If you have questions, e-mail me (afried@mvcc.edu) BI110 Discussion Question.

EXTRA CREDIT

- **There is no extra credit, under any circumstances. Please do not ask for extra credit, as I can guarantee that you will not be afforded that opportunity.**

The instructor reserves the right to alter any element of this syllabus including course content and policies that govern how the classroom operates.

Academic Integrity:

Academic honesty and integrity is expected in all work done for this class. Submitting the same work in more than one course without the permission of the involved instructors, copying the work of other students, using published work (Internet material is considered published work) without proper citation or otherwise attempting to receive academic credit for work that is not your own are all serious offenses. Academic dishonesty may result in penalties including, but not limited to, lower grades, expulsion from the class or expulsion from the college.

Classroom & Campus Civility:

Mohawk Valley Community College is committed to civility in and out of the classroom. MVCC believes everyone has the right to an environment that creates the safe opportunity for educational, professional and social development. MVCC recognizes its responsibility to model and encourage a culture of civil behavior.

Academic Affairs DGV Statement:

Several years ago, MVCC initiated a program titled “Diversity-Global View” (DGV), which gave each of our graduates a chance to participate in educational experiences designed to increase awareness of intercultural perspectives. Our goal in doing so was to enhance our students’ understanding of the realities faced by individuals as a result of their race, ethnicity, cultural background, gender, sexual orientation, socioeconomic status, academic abilities and interests, age, religious beliefs, and physical ability. To that end, all graduates who matriculated into programs in fall 2008 or more recently, or who have changed their major since 2008, are now required to complete the DGV components associated with the degree or certificate program in which they are enrolled. For more information please visit <http://www.mvcc.edu/dgv>.

Disability Self-Identification Statement:

I would appreciate hearing from anyone in the class who has any type of disability (e.g., physical, learning, mental health, medical, vision, hearing, etc.) which may require some special accommodation. Please email me so that we can discuss your needs. Before services can begin, you must also contact the Office of Accessibility Resources, 315-792-5644, in Room 129E of the Information Technology Building on the Utica Campus. (For the Rome Campus, students should contact Salina Doherty, or the Student Services office, PC 102G, 315-334-7744). Staff members will review your documentation, determine your eligibility for accommodations, and decide what those accommodations will be. Students who notified me regarding accommodation needs in a previous semester must do so again each subsequent semester.

Sustainability Statement

Mohawk Valley Community College is committed to development and implementation of a comprehensive sustainability plan. To that end, we are beginning by asking students, faculty, and staff to actively participate in energy conservation measures and proper recycling on campus. The Green Bins in every classroom are intended for all recyclables. They can take Paper, Plastic, Metal and Glass. Containers should be clean* and empty. Any materials that cannot be recycled should be placed in garbage cans. It is also important to turn off lights and computers when leaving a room. Together we can make an impact on conserving our resources. Remember to reduce, reuse and recycle!

*Clean means free of food residue, so pudding and yogurt containers should be rinsed. Drink bottles need to be empty but do not need to be rinsed.

Title IX Statement:

Title IX states that no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance. Protections also extend to sexual harassment and sexual assault or violence that impairs or interferes with access to equitable educational and employment opportunities. For more information, please visit the Title IX website at www.mvcc.edu/title-ix