

Anatomy & Physiology

Macomb County Community College

Instructor's Information:

Cliff Belleau, MS / Adjunct Professor
Biology Department / Division of Arts and Sciences
Office Hours - By Appointment
How to Contact: belleauc@macomb.edu

Human Physiology and Anatomy

BIOL 2710 Spring/Summer 2024 Section C0801

Lab M/T/W/Th 8:00 AM - 9:25 AM /// 5/20/2024 - 7/11/2024 // Room J107

Lecture M/T/W/Th 9:30 AM - 11:25 AM /// 5/20/2024 - 7/11/2024 // Room J112

Required Lecture Text and Lab Manual:

Anatomy and Physiology: The Unity and Form of Form and Function by Saladin
McGraw Hill Tenth Edition (Older Edition OK)

Human Physiological Anatomy Laboratory Manual // Wanda F. Ragland

Required Web Resources:

Canvas will be used to post grades. The Web site ww.mc3cb.com provides a variety of resources designed to help students learn specific objectives, highlights current advances in our understanding of human physiology, and introduces students to celebrated leaders in the field of human physiology. You will need to visit www.mc3cb.com daily to preview and review daily lectures, print and answer chapter study guide questions, watch homework video assignments, and check the message board.

Course Description:

Anatomy and Physiology (BIO-2710) is designed to study the relationship between the form (i.e. anatomy) and the function (i.e. physiology) of the human body. We will study homeostasis with an emphasis on "organ systems". The course content is taught with a laboratory and lecture session, however. The unity of form and function is fundamental to the study of the human body. Therefore the separation between structure and function is merely arbitrary.

About My Class and Method of Instruction:

I am passionate about teaching Anatomy and Physiology! It is a fascinating subject. The human body is the most complex organism in the universe. A single cell from the tip of your finger is infinitely more complex than the most complex machine ever built. It is a challenge and privilege to be able to study the human body!

Think of me as your "tour guide" as we explore the form and function of the human body. The best thing about this tour is it is all about you. You will have the opportunity to learn the function of all the systems of your body. We will study everything from the atom to the human organism. However, my *greatest challenges is to get you to use your imagination. You can not learn human physiology by simply memorizing a lot of unrelated factoids, like a random string of numbers. You need to learn human physiology by using the factoids to create a story, a narrative. This is the key to learning human physiology.*

Success is not an accident. Here is the formula for success (*Preparation + Opportunity = Success*). In my class the opportunities are the lectures, labs, and unit exams. So, before you come to a lecture or a lab session you will need to prepare. For lecture, you need to read the book, preview the lecture slides, answer the chapter study guide questions, and watch assigned video homework. For lab you need to identify lab learning objectives by using your textbook, lab manual, and other Web resources to familiarize yourself with those structures that you need to identify in the upcoming lab session.

This will require that **you spend two to three hours each day** to keep up with the Science Departments Learning Schedule. If you are not willing to prepare for these opportunities, then please do not take this class. Don't waste your time! I am here to help you achieve a career in medicine. So, without your curiosity, passion, and willingness to put in the study time then we will both fail! Remember, your study

Grading Policy:

Your overall grade will be determined by an average of your lecture and laboratory exams. The lecture grade will be determined by points accumulated from unit lecture exam and bonus points. You may earn bonus points by answering questions for the Chapter Study Guides and homework videos. These must be turned in "on time" to receive full credit. You may also earn bonus points by learning the definition of homeostasis. More will be said about this in class. Below is the Science Department's grading scale:

Percent	Grade	
100% - 93%	A	* Students who never attend class will receive an "NS" grade.
92% - 90%	A-	* Students who withdraw from the class before the official withdrawal deadline, will receive a "W".
89% - 87%	B+	
86% - 83%	B	* Students are responsible for checking with the registrar office to meet requirements and deadlines.
82% - 80%	B-	
79% - 77%	C+	* Failure to formally withdraw from the class will result in an "E".
76% - 73%	C	
72% - 70%	C-	
69% - 67%	D+	
66% - 63%	D	
62% - 60%	D-	
Below 60%	E	

Grade Calculation:

Lecture Grade	Lecture Exam	80 pts	
	Video Homework	20 pts	
	Homeostasis Definition	2 pts	
			<hr/>
		100 pts	
	Bonus Points / Study Guide	+4 pts	
			<hr/>
	Lecture	104 pts	
	Lab Exams	+ 100 pts	
			<hr/>
		204 pts	divided by 2 = 102 = unit grade

The four unit scores are added and then divided by four to calculate your final grade.