

# Anatomy & Physiology

## Macomb County Community College

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### **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 Winter Term 2024 Section C1608**

Lab T/Th 12:30 PM - 1:55 PM /// 1/9/2024 - 5/2/2024 // Room J107

Lecture T/Th 2:00 PM - 3:55 PM // 1/9/2024 - 5/7/2024 // Room J104

### **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:**

[www.mc3cb.com](http://www.mc3cb.com) This Web contains a variety of resources designed to help students learn key learning 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 this site daily to preview and review daily lectures, print and answer chapter study guide questions, watch homework videos about key learning objectives, and check daily postings on the

### **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!

I am your "tour guide" as we explore the forms and functions of the human body. Here is best thing about this tour. It is all about you. You will have the opportunity to learn the function of all the systems of your body. We will study every thing from the atom to the organism. *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. Learn human physiology by using the factoids to create a story, a narrative. This is the key to learning human physiology.*

Here is the formula for success in my class (*Preparation + Opportunity = Success*). The opportunities are the lectures, labs, and unit exams. So, before you come to a lecture or a lab session you need to prepare by reading the book, preview the lecture slides, answer the chapter study guide questions, watch assigned video homework, and for lab you need to identify using your textbook and lab manual the lab learning objectives that you plan to locate on the lab models and wall charts 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 time today is an investment in your future career. Ask yourself, "Where do I want to be in ten years?"

### 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 can earn bonus points by answering the Chapter Study Guide Questions, watching homework videos and turn in the video worksheets, and learning the definition of homeostasis. This 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	88 pts	
	Video Homework	10 pts	
	Homeostasis Definition	2 pts	
		<hr/>	
		100 pts	
	Bonus Points / Study Guide	+4 pts	
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		104 pts	
	Lab Exams	+ 100 pts	
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		204 pts	divided by 2 = 102 = unit grade

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

Assignments turned in late will receive only half credit!