

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
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Human Physiology and Anatomy

BIOL 2710 Winter Term 2025 Section C1601

Lecture M/W7:30 AM - 9:25 AM // 1/06/2025 - 5/05/2025 // Room J112

Lab M/W 9:30 AM - 10:55 AM /// 1/06/2025 - 5/05/2025 // Room J107

Required Lecture Text and Lab Manual:

Anatomy and Physiology: The Unity and Form of Form and Function by Saladin
McGraw Hill Tenth Edition
(You may use an older edition or another college level textbook)

Human Physiological Anatomy Laboratory Manual // Wanda F. Ragland

(The Science Department now provides students with a PDF Lab Manual. The link to PDF lab manual is at www.mc3cb.com.)

Internet Resources at www.mc3cb.com

The Web site provides students with a suite of resources designed to help students learn the required lecture and lab course objectives. Students have access to a message board, lecture slides, homework assignments, instructional videos, as well as many lab resources. The Web site also provides additional supplemental content but not required for curious students. This content highlights current advances in human physiology and introduces students to celebrated leaders in the field of human physiology.

Course Description:

Anatomy and Physiology (BIO-2710) is designed to study the relationship between the form (anatomy) and the function (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. The unity of form and function is fundamental to the study of the human body.

About My Class and Method of Instruction:

I am passionate about teaching Anatomy and Physiology! It is a fascinating subject. We are 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 human body. Here is best thing about this tour. It is all about you. You will have the opportunity to learn all the systems of your body. We will study the hierarchy of the human body, from its atoms to the level of the organism. *My greatest challenges will be to get you to use your imagination. You can not learn human physiology by simply memorizing a lot of unrelated factoids, as if the factoids are a random string of numbers. To learn human physiology, you will need to use the factoids you memorize to create a narrative. These are the keys to learning human physiology: imagination, curiosity, passion, along with a narrative to explain the structure and function of the human body.*

The formula for success in my class is simple: ***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 for the opportunity.

For the lecture session, before the lecture you need to read the book, preview the lecture slides, answer the chapter study guide questions, watch the assigned video homework, and bring questions you need to ask during the lecture session.

For the lab session, before you come to lab you need to identify the lab learning objectives you want to identify in lab and review these structures at home using your textbook, lab manual, Web resources, or google images. Now, when you come into the lab you will be ready to use the lab models and wall charts to identify the required lab learning objectives.

This preparation will require two to three hours each day to keep up with the Science Departments 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 your career goal. 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 you want to be in tomorrow?"

Grading Policy:

| Percent | Grade | Your grade is determined by taking an average of four lecture and laboratory exams. Exam points are also earned by completing video homework assignments and writing the definition of homeostasis before each lecture exam. You may earn four bonus points by answering Chapter Study Guide Questions. |
|------------|-------|---|
| 100% - 93% | A | Grades are assigned using the Science Department's grading scale. Grades will be posted on Canvas. |
| 92% - 90% | A- | |
| 89% - 87% | B+ | |
| 86% - 83% | B | |
| 82% - 80% | B- | |
| 79% - 77% | C+ | |
| 76% - 73% | C | |
| 72% - 70% | C- | |
| 69% - 67% | D+ | |
| 66% - 63% | D | |
| 62% - 60% | D- | * Students who never attend class will receive an "NS" grade. |
| Below 60% | E | * Students who withdraw from the class before the official withdrawal deadline, will receive a "W". * Students are responsible for checking with the registrar office to meet requirements and deadlines. * Failure to formally withdraw from the class will result in an "E". |

Continuity of Education Plan

If there is a disruption to this course during the semester due to an unforeseen campus closure or cyber-attack, please see the Announcements Page in Canvas for information and instructions. You can access Canvas via My Macomb with single sign on. If Canvas is not accessible through My Macomb, please use the following URL: <https://macomb.instructure.com>. Your user ID is your Macomb email address and the password you created when activating your My Macomb account.

Student Assistance and Student Access Services

Students who require assistance to succeed in college due to a physical disability, learning disability, or language barrier should contact the Office of Student Access Services (586) 445-7420. This should be done within the first two weeks of class. Additional information is available at Student Access Services office at Macomb.

Student Options for Success

The SOS program connects Macomb's students with a variety of community and public benefit organizations that can help with living expenses while you pursue your education. Contact the SOS office at 586.447.8609 or SOS@macomb.edu for information about the program and how you may qualify. Please visit the SOS Program website.

Institutional Policies

Macomb Community College students must adhere to the policies described on the Policies on Rights and Responsibilities website.

Title IX

Like all faculty and staff at Macomb Community College, I am required to share any information that you disclose to me in class discussion, papers, journals, meetings or otherwise about your experiences of abuse, sexual assault or sexual harassment to our Title IX coordinator. If you share information with me about a recent sexual assault, the police will be notified. If you would like to discuss these issues in a confidential setting, please consider reaching out to Turning Point at 586-463-6990 or www.turningpointmacomb.org. For more information, please visit www.macomb.edu/titleix.

Confidentiality and Proprietary Information

To ensure free and open discussion we ask you to respect the confidentiality of the information that is shared during class activities, while exercising good judgment in what you choose to share, avoiding non-public or sensitive information. Please refrain from sharing any proprietary, confidential, organizationally-sensitive, or protected trade secrets information. The safest way to share your experiences is to ensure the organizations and/or individuals are not identified.