Course Syllabus

Biol-2710 (C0801)
Start Date 05/18/2026 End Date 07/09/2026
Center Campus J Building
M-T-W-TH
Lab: (Room 107) 8:00 AM - 9:25 AM
Lecture: (Room 204) 9:30 AM - 11:25 AM

Contact Information

Instructor: Cliff Belleau MS
Office Hours: Students may request to meet instructor after class.

Canvas Access: Student's grades, links to course content, and links to homework assignments are posted on Canvas. Log into My Macomb and click on Canvas; or go directly to Canvas.

Students may also access links to course resources directly using this domain: www.mc3cb.com

Textbook & Lab Manual

Anatomy and Physiology - The Unity of Form and Function (10th Edition) by Saladin
The textbook is available either as a digital or paper document.

The Science Department provide students with a PDF Lab Manual. The link to the PDF Lab Manual is on Canvas. Students may also choose to purchase a paper lab manual at the school's bookstore.

Description

BIOL 2710 typically describes a course in Human Physiological Anatomy, which is an intensive lecture and lab course covering the basic concepts of human anatomy and physiology. It focuses on the structure and function of the human body from the biochemical and cellular level up to the organ system level. Topics often include the skeletal, muscular, nervous, and cardiovascular systems, and it is designed for health and human services students.

Common Degree Outcomes

> The graduate can integrate the knowledge and technological skills necessary to be successful.

> The graduate can demonstrate how to think competently.

> The graduate can demonstrate how to employ mathematical knowledge.

> The graduate can demonstrate how to communicate competently.

Instructional Methods

Students must prepare for lab and lecture sessions to be successful. (Preparation + Opportunity = Success) The lab and lecture sessions are "opportunities". For lab, students need to review the lab learning objectives using lab manuals, textbooks, or online resources that they need to identify in lab. For lecture, students need to read the textbook chapter to be discussed in the lecture session, as well as complete the current chapter's homework assignments.

Lab: Students shall learn to identify on models and wall charts lab learning objectives. Students will also dissect a sheep heart, sheep brain, and cow eye.

Lecture: Course content will be covered in lecture using powerpoint slides and class discussion. Student's shall submit their chapter study guide homework answers and their chapter video homework answers on the day the chapter is covered in class. This is the student's preparation for the lecture session. During the lecture the instructor will answer any questions students may have about their homework assignments.

Course Structure

BIOL 2710 - MASTER SCHEDULE
SPRING/SUMMER 2026

UNIT 1-WEEK 1

5/18/26	M	Introduction / Chapter 1- Major Themes of Anatomy and Physiology
5/19/26	T	Chapter 2- The Chemistry of Life
5/20/26	W	Chapter 3- Cellular Form and Function
5/21/26	TH	Chapter 4- Genes and Cellular Function / Chapter 5- The Human Tissues

UNIT 1-WEEK 2

5/25/26	M	NO CLASS- MEMORIAL DAY
5/26/26	T	Chapter 11- Muscular Tissue // LECTURE EXAM: Unit One Part A Lecture Exam Covering C1-C4
5/27/26	W	Chapter 11- Muscular Tissue/Chapter 6- The Integumentary System
5/28/26	TH	Chapter 7-Bone Tissue/Chapter 9 Joints (Synovial Joints only)

UNIT 2-WEEK 3

6/1/26	M	LECTURE EXAM: Unit 1 Part B Covering C5-C11 AND LAB EXAMS 1
6/2/26	T	Chapter 12- Nervous Tissue
6/3/26	W	Chapter 13- The Spinal Cord, Spinal Nerves, and Somatic Reflexes
6/4/26	TH	Chapter 14- The Brain and Cranial Nerves

UNIT 2-WEEK 4

6/8/26	M	Chapter 15- The Autonomic Nervous and Visceral Reflexes
6/9/26	T	Chapter 17- The Endocrine System
6/10/26	W	Chapter 17- The Endocrine System /Chapter 16- Sense Organs
6/11/26	TH	Chapter 16- Sense Organs

UNIT 3-WEEK 5

6/15/26	M	LECTURE AND LAB EXAMS 2
6/16/26	T	Chapter 18- The Circulatory System: Blood
6/17/26	W	Chapter 19- The Circulatory System: The Heart
6/18/26	TH	Chapter 20- The Circulatory System: Blood Vessels and Circulation

UNIT 3-WEEK 6

6/22/26	M	Chapter 20- The Circulatory System: Blood Vessels and Circulation/Chapter 22- The Respiratory System
6/23/26	T	Chapter 22- The Respiratory System
6/24/26	W	Chapter 21- The Lymphatic System and Immune Systems
6/25/26	TH	LECTURE AND LAB EXAMS 3

UNIT 4-WEEK 7

6/29/26	M	Chapter 23- The Urinary System
6/30/26	T	Chapter 24- Fluid, Electrolyte, and Acid–Base Balance
7/1/26	W	Chapter 25- The Digestive System
7/2/26	TH	Chapter 25- The Digestive System/Chapter 26- Nutrition and Metabolism

UNIT 4-WEEK 8

7/6/26	M	Chapter 27- The Male Reproductive System
7/7/26	T	Chapter 28- The Female Reproductive System
7/8/26	W	Chapter 28- The Female Reproductive System
7/9/26	TH	LECTURE AND LAB EXAMS 4

EXAM DATES:

6/1/26	LECTURE & LAB EXAMS UNIT 1
6/15/26	LECTURE & LAB EXAMS UNIT 2
6/25/26	LECTURE & LAB EXAMS UNIT 3
7/9/26	LECTURE & LAB EXAMS UNIT 4

Last Withdraw Date:

6/27/26 online and remote sections

6/29/26 on ground sections

Academic Integrity

Academic integrity is fundamental to academic, personal and professional success. Guidelines to ensure academic integrity and avoid plagiarism:

Submit assignments (including exams, quizzes, essays, projects and presentations) that are your original work and ideas

Cite sources when using the work of others: text, graphics, video, audio, music, photos and ideas
Include in-text citations and a reference page

If you would like support on citations, we encourage you to schedule an appointment with the Reading and Writing Studios (RWS). We also invite you to watch videos on academic integrity and plagiarism the RWS Canvas course.

Consequences of academic dishonesty, depending on the severity of the situation, may result in: Resubmission of an assignment that is correctly cited and referenced, for a lower grade or Receiving a zero grade on the assignment, and/or Failing the course

If the consequence results in a lower course grade or failing the course, an academic integrity violation will be reported. Additional information is available.

Cheating on lab or lecture exams will result in a zero grade. Helping someone by giving them an answer during an exam is also considered a cheating violation. In this case, both parties would receive a zero on the exam.

Generative AI

The following guidelines address the use of generative AI and should be followed to ensure that students are fully and consistently aware of generative AI use policies in each course.

Level - Immersive // Description - Students are required to use AI and will receive feedback and grading on their use of AI. // Sample - "You must use AI tools for this assignment. You will be graded on AI techniques, transparency, fact-checking, and citation."

Level - Permissive // Description - Students can freely utilize AI tools to assist in their assignments, such as generating ideas, proofreading, or organizing content. // Sample - "You may use AI tools as you see fit to enhance your assignment and demonstrate your understanding of the topic. Proper citation is required."

Level - Moderate // Description - Students can use AI tools for specific parts of their assignments, such as brainstorming or initial research, but the core content and conclusions should be the student's original work. // Sample - "You can employ AI tools to assist your brainstorming or initial research, but the main content, arguments, and conclusions must be your own."

Level - Restrictive // Description - AI tools are prohibited for this assignment. All work must be the student's original creation. // Sample - "Do not use AI tools for this assignment. All content must be your original work. Any use of AI will be treated as plagiarism and a violation of the Academic Integrity Policy."

Note: Unauthorized use of generative AI tools, with or without attribution, is considered plagiarism and a violation of the Academic Integrity Policy

Communication & Response Time

Student email messages will be returned within 12 hours. Submitted assignments will be returned in the following lecture period.

Grading Policies

Homework assignments will be graded with two days and entered into Canvas when unit grade is recorded. Partial credit will be assigned to homework turned in after the due date.

Student grade is calculated by the average of the lab exam and lecture exam scores. The lab and lecture exams are equally "weighted". The lab-lecture exams contribute 80% of your final grade. The video homework assignments contribute 18% and writing the homeostasis definition contributes 2% to the final unit grade. Students will have an option to earn four bonus points by completing the chapter study guide questions.

There are four unit exams. The average of the four unit exams will determine the students final grade.

100 - 93	%	A
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-
Below 60	%	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.

Help for Students

Student Resources

On the Student Resources Canvas page, you can access Macomb's Student Resources, technology resources, software accessibility statements, and other college resources and information.

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.

Food for Thought Student Food Pantry

If you need help putting food on the table, please visit Macomb's Food for Thought Student Food Pantry (My Macomb login required). The Food Pantry is available to currently registered students.

South Campus K-251 • sasouth@macomb.edu • 586.445.7446
Center Campus P-127 • sacenter@macomb.edu • 586.286.2090

Student Options for Success

The SOS program connects Macomb's students with a variety of community and public benefit organizations that can you 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

Campus Community Care Team

The Campus Community Care Team works to provide support and resources to students experiencing behavioral, emotional, and mental health barriers to their success. If you have concerns about yourself or a classmate, or if faculty has concerns about your well-being, referrals can be made by submitting a Behavioral Concern Report. Contact the BIT office at C3Team@macomb.edu for information about the program or visit the website

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.

Successful Learner Interaction

1....Successful learners in a college course are active and contribute. This means attending regularly, and completing your assignments in a timely manner. The greatest learning emerges when you are actively engaged with others in the learning process.

2....Model the behavior you'd like others to emulate; be an active, engaged learner who completes their assignments on-time, asks for help when needed and treats everyone with respect. We are all teachers and learners who have much to learn from one another. We are working together and learning from one another.

3....To succeed, be sure to block enough time to complete each week's assignments. It is difficult to "catch up" once you have fallen behind schedule.

4....Given the interdependence of learning in a college course, you are required to submit assignments when they are due. Handing in assignments after a topic has been covered hinders the class and impacts everyone's learning. Please contact me to discuss your situation any time you feel you might be falling behind in the course.

Instructor's Plan for Interacting Learners

1....I value your time and applaud your commitment to lifelong learning. Let me know whenever I can assist you.

2....If you are experiencing any difficulty with me, a personal situation, the way a discussion is being facilitated, or the feedback you receive, please contact me to discuss the situation privately and we will work together to resolve the situation as quickly as possible.

Attendance & Participation

Students are encouraged to ask questions during lab and lecture sessions. I can not help students if they are not in class! Attendance is strongly recommended. You shall turn in your chapter homework assignments at the beginning of the lecture period to receive full credit.

The lab session is designed to help students develop collaborative learning skills. Students are encourage to work in small groups to learn the lab objectives. Your group may also decide to work together to prepare for the lecture exams by quizzing each other using the chapter study guide questions.