

202610_BIOL_2101_1N1_Hybrid

CREDIT

1 Semester Credit Hour (Hybrid)

MODE OF INSTRUCTION

Face to face and Online

PREREQUISITE/CO-REQUISITE:

Passed the Reading/Writing Sections of THEA or any other accepted test

Co-requisite Biol 2301



**LAMAR INSTITUTE
OF TECHNOLOGY**

COURSE DESCRIPTION

As this is a hybrid course, a portion of your class will be done live in the lab. There we will complete any lecture materials and utilize a lab exercise. All Lab activities and quizzes will be done, online, through McGraw Hill Connect. The syllabus quiz will be given online. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to

- Apply appropriate safety and ethical standards.
- Locate and identify anatomical structures.
- Appropriately utilize laboratory equipment such as microscopes, dissection tools, general labware, physiology data acquisition systems, and virtual simulations.
- Work collaboratively to perform experiments.
- Demonstrate the steps involved in the scientific method.
- Communicate results of scientific investigations, analyze data, and formulate conclusions.
- Use critical-thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations, and predictions.

CORE OBJECTIVES

- **Critical Thinking Skills:** To include creative thinking, innovation, inquiry, analysis, evaluation and synthesis of information
- **Communication Skills:** To include effective development, interpretation, and expression of ideas through written, oral, and visual communication
- **Empirical & Quantitative Skills:** To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- **Teamwork:** To include the ability to connect choices, actions, and consequences to ethical decision-making

INSTRUCTOR CONTACT INFORMATION

Instructor:	Dr. Bryan Barron
Email:	blbarron1@lit.edu
Office Phone:	409-241-9803
Office Location:	MPC 214
Office Hours:	See Starfish for Available Office Hours Click Here for Starfish

REQUIRED TEXTBOOK AND MATERIALS

REQUIRED = Textbook - OpenStax Anatomy & Physiology Levels I and II

Anatomy and Physiology from OpenStax, Print ISBN 1938168135, Digital ISBN 1947172042,

[Click Here for OpenStax Anatomy & Physiology textbook](#)

Your textbook for this class is available for free online and a print copy, can be purchased online, or obtained through Eagle Learning Essentials. [Click Here for Eagle Learning Essentials](#)

Supplemental = Textbook - WikiBooks – Human Physiology
https://en.wikibooks.org/wiki/Human_Physiology

ATTENDANCE POLICY

1.You must log into Blackboard and access this course a minimum of 3-5 times per week.

1)Regular and Punctual attendance is expected for all students in all classes for which they are registered. If a student is tardy, they may enter if they do so quietly.2) Roll will be taken every day at the beginning or end of class.

3) You are allowed 4 excused/unexcused absences without penalty.

On the 5th and every subsequent absence thereafter, the student will receive a 2 points deduction from your final grade.

4) pop quizzes will be given randomly.

4.If you wish to drop this course, you must drop it administratively. If you do not drop you will receive an F for the course. The last drop date is April 13, 2026


DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College's [Academic Calendar](#) on the [Student Success](#) web page. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

COURSE CALENDAR
Weekly Checklist – Spring 2026
ONLINE BIOL 2101 (LAB)

Week:	To Do:	Due Date:
<u>WEEK 1</u> INTRODUCTION Jan 20 th – 23 rd	<input type="checkbox"/> Discussion Board: Introduction <input type="checkbox"/> Register for McGraw-Hill Virtual Labs (Information on Blackboard under "Module 1") <input type="checkbox"/> Syllabus Quiz <input type="checkbox"/> Join a group for Group Lab Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 01.25.26
<u>WEEK 2</u> DIRECTIONAL TERMS ELEMENTS, CELLS, TISSUES Jan 26 th – 30 th	<input type="checkbox"/> Module 1: McGraw-Hill Connect Interactive Lab Activities covering Body Orientation, Tests for Macromolecules, and Microscope <input type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 02.01.26
<u>WEEK 3</u> ELEMENTS, CELLS, TISSUES Feb 2 nd – 6 th	<input type="checkbox"/> Module 1 McGraw-Hill Connect Interactive Lab Activities covering Cells and Tissues <input type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 02.08.26
<u>WEEK 4</u> INTEGUMENTARY SYSTEM Feb 9 th – 13 th	<input type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Integumentary System <input type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 02.15.26
<u>WEEK 5</u> SKELETAL SYSTEM & JOINTS Feb 16 th – 20 th	<input type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Skeletal System & Joints <input type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 02.22.26
<u>WEEK 6</u> SKELETAL SYSTEM & JOINTS Feb 23 rd – 27 th	<input type="checkbox"/> Module 2 McGraw-Hill Connect Interactive Lab Activities covering Skeletal System & Joints <input type="checkbox"/> Work with group for Group Lab <input type="checkbox"/> Musculoskeletal Disorders due 04.22.26	<input type="checkbox"/> 03.01.26

<u>WEEK 7</u> SKELETAL SYSTEM & JOINTS March 2 nd – 6 th	<input checked="" type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Skeletal System & Joints <input checked="" type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 03.06.26
<u>WEEK 8</u> March 9th – 13th Spring Break	Sleep, rest, relax Enjoy time with family and friends Netflix, etc. Exercise Read a good book Do something nice for someone	
<u>WEEK 9</u> MIDTERM EXAM Mar 16 th – 20 th	<input checked="" type="checkbox"/> Midterm Exam Opens 03.17.26 and closes 03.18.26 <input checked="" type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	Midterm Exam 03.18.26
<u>WEEK 10</u> MUSCULAR SYSTEM Mar 23 rd – 27 th	<input checked="" type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Muscular System <input checked="" type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 03.29.26
<u>WEEK 11</u> MUSCULAR SYSTEM Mar 30 st – April 3 rd	<input checked="" type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Muscular System <input checked="" type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 04.05.26
<u>WEEK 12</u> MUSCULAR SYSTEM April 6 th – 10 th	<input checked="" type="checkbox"/> Module 2: McGraw-Hill Connect Interactive Lab Activities covering Muscular System <input checked="" type="checkbox"/> Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 04.12.26
<u>WEEK 13</u> NERVOUS SYSTEM April 13 th – 17 th	<input checked="" type="checkbox"/> Module 3: McGraw-Hill Connect Interactive Lab Activities covering Nervous System <input checked="" type="checkbox"/> DUE SOON → Work with group for Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 04.19.26
<u>WEEK 14</u> NERVOUS SYSTEM April 20 th – 24 th	<input checked="" type="checkbox"/> Module 3: McGraw-Hill Connect Interactive Lab Activities covering Nervous System <input checked="" type="checkbox"/> DUE → Group Lab Musculoskeletal Disorders due 04.22.26	<input checked="" type="checkbox"/> 04.26.26
<u>WEEK 15</u> NERVOUS SYSTEM April 27 th – May 1 st	<input checked="" type="checkbox"/> Module 3: McGraw-Hill Connect Interactive Lab Activities covering Nervous System	<input checked="" type="checkbox"/> 05.01.26
<u>WEEK 16</u> REVIEW	<input checked="" type="checkbox"/> Review for Final Exam (Chapters 1 - 16) <input checked="" type="checkbox"/> Be sure you are caught up on all assignments	

May 5 th – 8 th		
WEEK 17 REVIEW May 11 th – 13 th	 FINAL EXAM Opens 05.09.26 and Closes 05.11.26 (Chapters 1 – 16) Congratulations! You made it!! Celebrate 😊	FINAL EXAM Opens 05.09.26 Closes 05.11.26

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Mandatory Syllabus Quiz = 5%
- Assignments (Lab Activities) = 25%
- Quizzes MGH = 20%
- Group Lab Project = 20%
- Midterm & Final Exams = 30%

Total = 100%

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

All Lab activities and quizzes will be done, online, through McGraw Hill Connect. The syllabus quiz will be given online.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email

specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also log in to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

COURSE REQUIREMENTS

All Lab activities and quizzes will be done, online, through McGraw Hill Connect.

The syllabus quiz will be given online.

The midterm and final exams are given as a practical exam, live, in the lab class.

You are required to submit your assignments before the due date.

I Do not accept late assignment submissions. Failure to submit your assignments before the due date will result in a zero for that assignment.

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at

<http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty>.

STUDENT EXPECTED TIME REQUIREMENTS

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.