202560_BIOL_ 2101_SU I

CREDIT
Semester Credit Hours (Lab 1 hour)

MODE OF INSTRUCTION
Online

PREREQUISITE/CO-REQUISITE:
Passed the Reading/Writing Sections of THEA or any other accepted test

Co-requisite Biol 2301

COURSE DESCRIPTION
The lab provides a virtual learning experience to explore human system components and basic physiology.
Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

COURSE OBJECTIVES
Upon successful completion of this course, students will be able to:
1. Apply appropriate safety and ethical standards.
2. Locate and identify anatomical structures.
3. Appropriately utilize laboratory equipment such as microscopes, dissection tools, general lab ware, physiology
   data acquisition systems, and virtual simulations.
4. Work collaboratively to perform experiments.
5. Demonstrate the steps involved in the scientific method.
6. Communicate results of scientific investigations, analyze data, and formulate conclusions.
7. Use critical-thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing,
   and summarizing, to make decisions, recommendations, and predictions.

INSTRUCTOR CONTACT INFORMATION

Instructor:	Dr. Connie Grass
Email:	cjgrass@lit.edu
Office Phone:	409-247-4863
Office Location:	MPC 217
Office Hours:	See Starfish for Available Office Hours- Click Here for Starfish

REQUIRED TEXTBOOK AND MATERIALS

REQUIRED = Textbook **-** OpexStax Anatomy & Physiology Levels I and II **–** OpenStax Anatomy & Physiology textbook

Your textbook for this class is available for free online. If you prefer, you can also get a printed version at a very low cost.

Your book is available in web view and PDF for free. You can also choose to purchase on iBooks or get a print version via the campus bookstore or from OpenStax on Amazon.com. You can use whichever format you want. Web view is recommended. The responsive design works seamlessly on any device. If you buy on Amazon, make sure you use the link on your book page on openstax.org so you get the official OpenStax print version.

Anatomy and Physiology from OpenStax, Print ISBN 1938168135, Digital ISBN 1947172042, www.openstax.org/details/anatomy-and-physiology

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

ATTENDANCE POLICY

- You must log in to Blackboard and access this course a minimum of 3 times per week.
- Cheating of any type will not be tolerated.
- Late assignments will be accepted with a deduction as a late penalty. Students will receive a zero for assignments not completed.
- 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.
- Internet usage- students are to use proper netiquette when participating in course email, assignment submissions and online discussions.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the https://lit.edu/student-success/2024-2025-college-calendar .

If you stop completing class assignments and fail to drop the course, you will earn an "F" in the course.

BIOL 2101 2A1 Tentative Weekly Checklist/Summer I – 2025 June 2nd – July 8th

Week:	To Do:	Due Date:
Week 1 **Introduction** **Complete Introductory Materials** **Syllabus Quiz** **McGraw Hill Connect** **June 2 - June 6th**	☐ Discussion Board: Introduction ☐ Register for McGraw-Hill Virtual Labs (Information on Blackboard under "Modules" then MGH Connect Virtual Labs ->Start Here - MGH Virtual Labs) ☐ Mandatory Syllabus Quiz due 06.06.25 ☐ Join a group for Group Lab: Musculoskeletal Disorders (Information on "Modules" page) due 06.28.25	☐ **06.06.2025**
	☐ Complete Introductory Materials McGraw-Hill Connect Interactive Labs ☐ Work with group members on Group Lab (Musculoskeletal Disorders) due 06.28.25	☐ **06.08.2025**
Week 2 **Directional Terms** **Elements, Cells, Tissues** **June 9th – June 13th**	☐ Module (1): McGraw-Hill Connect Interactive Lab Activities covering Body Orientation, Tests for Macromolecules, and Microscope ☐ Module (1): McGraw-Hill Connect Interactive Lab Activities covering Cells and Tissues ☐ Work with group members on Group Lab (Musculoskeletal Disorders) due 06.28.25	☐ **06.11.25**
Week 3 **June 16th – June 20th** **Integumentary System** **Skeletal System & Joints**	☐ Module 2: McGraw-Hill Connect Interactive Lab Activities covering Integumentary System ☐ Module 2: McGraw-Hill Connect Interactive Lab Activities covering Skeletal System & Joints ☐ Work with group members on Group Lab (Musculoskeletal Disorders) due 06.28.25	☐ **06.18.25** ☐
Week 4 **Muscular System** **June 23rd – June 27th**	☐ Midterm Exam **Opens 06.15.25 Closes 06.20.25** ☐ Module 2: McGraw-Hill Connect Interactive Lab Activities covering Muscular System ☐ Work with group members on Group Lab (Musculoskeletal Disorders) due 06.28.25	☐ **06.20.25**

Week 5 **Nervous System** **June 30th – July 4th**	▯ **Module 3: : McGraw-Hill Connect Interactive Lab Activities covering Nervous System** ▯ **GROUP PROJECT: Musculoskeletal Disorders Due: 06.28.25** ▯ **FINAL EXAM Opens 07.3.25 and Closes 07.06.25 (Chapters 10 – 16)**	▯ **07.01.25**
Week 6 **Final Exam Week** **July 7th – July 8th**	**Last Class Day – Tuesday, July 8th** **Final Grades Posted by noon on July 9th!** **Congratulations** **You made it! Time to Celebrate**	▯ **07.09.2025** 

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Assignments (Lab Activities) = 25%
- Quizzes MGH = 25%
- Group Lab Project = 20%
- Final Exam = 30%

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Total = 100%

GRADING SCALE

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

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection,
such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

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 login 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

STUDENTS EXPECTED TIME REQUIREMENT
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.