

Anatomy & Physiology II Lecture

BIOL 2302- 9K1

Spring 2026



**LAMAR INSTITUTE
OF TECHNOLOGY**

CREDIT

3 Semester Credit Hours

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE:

Pre-requisite Biol 2301 and 2101

Co-requisite BIOL 2102

COURSE DESCRIPTION

Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

COURSE OBJECTIVES

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

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
3. Describe the interdependency and interactions of the systems.
4. Explain contributions of organs and systems to the maintenance of homeostasis.
5. Identify causes and effects of homeostatic imbalances.
6. Identify modern technology and tools used to study anatomy and physiology.

Core Objectives

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

Approved: Initials/date

INSTRUCTOR CONTACT INFORMATION

Instructor: Dr. Marita Harrell

Email: mharrell@LIT.edu

Office Phone: (409) 246-3474

Office Location: KHS Room 106

Office Hours: 8:30-9:15

REQUIRED TEXTBOOK AND MATERIALS

G-W Introduction to Anatomy and Physiology
ISBN 9781619604124

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. Students must attend 90% of class days to receive credit for the course.
2. Late assignments will be accepted for a late penalty up to 5 days after assignment is due.
3. If you wish to drop this course, you must drop it administratively. If you do not drop, you will receive an F for this course.

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 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.

Spring 2026 COURSE CALENDAR

WEEK OF	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1/20/26	CH 8 Endocrine System	Pg 268-293	8.1 Vocab Quiz
1/20/26			8.2 Vocab Quiz
1/20/26			8.3 Vocab Quiz
1/26/26			CHAPTER 8 TEST
2/2/26	CH 9 Respiratory System	Pg 301-332	9.1 Vocab Quiz
2/2/26			9.2 Vocab Quiz
2/9/26			9.3 Vocab Quiz
2/9/26			CHAPTER 9 TEST
2/16/26	CH 10 The Blood	Pg 333-365	10.1 Vocab Quiz
2/16/26			10.2 Vocab Quiz
2/23/26			10.3 Vocab Quiz
2/23/26			CHAPTER 10 TEST
3/2/26	CH 11 Cardiovascular System	Pg 367-409	11.2 Vocab Quiz
3/2/26			11.2 Vocab Quiz
3/2/26			11.3 Vocab Quiz
3/6/26	INDIVIDUAL PROJECT- BODY ORGAN POSTER		
3/9/26			11.4 Vocab Quiz
3/9/26			CHAPTER 11 TEST
3/23/26	CH 12 Lymphatic/ Immune	Pg 411-449	12.1 Vocab Test
3/23/26			12.2 Vocab Quiz
3/23/26			12.3 Vocab Quiz
3/30/26			12.4 Vocab Quiz
3/30/26			CHAPTER 12 TEST
4/6/26	CH 13 Digestive System & Nutrition	Pg 451-489	13.1 Vocab Quiz
4/6/26			13.2 Vocab Quiz
4/6/26			13.3 Vocab Quiz
4/6/26			CHAPTER 13 TEST
4/8/26	GROUP PROJECT- BODY SYSTEMS DISEASES		
4/13/26	CH 14 Urinary System	Pg 491-526	14.1 Vocab Quiz
4/13/26			14.2 Vocab Quiz
4/20/26			14.3 Vocab Quiz
4/20/26			CHAPTER 14 TEST
4/27/26	CH 15 Reproductive System	Pg 527-565	15.1 Vocab Quiz
4/27/26			15.2 Vocab Quiz
4/27/26			15.3 Vocab Quiz

5/5/26			15.4 Vocab Quiz
5/5/26			15.5 Vocab Quiz
5/5/26			CHAPTER 15 TEST
5/11/26			FINAL Study Guide
5/11/26			FINAL EXAM

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Daily Assignments/ quizzes = 30%
- TESTS = 50%
- Group/ Individual Project = 20%

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.

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 \(lit.edu\)](#).

The following violations during testing will result in a grade of zero or reduction in points:

Using technology or electronic devices including, but not limited to, cellphones, iPads, smart glasses, earbuds, smartwatches. Cheating of any kind will not be tolerated and will result in a 0 for the assignment.

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.