

**BIOL 2302**  
**Anatomy & Physiology II**  
**Spring 2024**



**INSTRUCTOR CONTACT INFORMATION**

Instructor: Melanie Daleo  
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Office Hours: See Starfish for available office hours-  
[Click Here for Starfish](#)

**Credit:** 3 semester credit hours (3 hours lecture)

**Prerequisite/Co-requisite:**

Pre-requisite Biol 2101 and 2301

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

Co-requisite Biol 2102

**Course Description**

Anatomy & Physiology II is the second part of a two-part 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 the contributions of organs and systems to the maintenance of homeostasis.
5. Identify causes and effects of homeostatic imbalances.
6. Describe modern technology and tools used to study anatomy and physiology.

## Core Objectives

1. **Critical Thinking Skills:** To include creative thinking, innovation, inquiry, 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
5. **Personal Responsibility:** To include the ability to connect choices, actions, and consequences to ethical decision-making

## TEXTBOOK AND MATERIALS:

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

<https://openstax.org/details/books/anatomy-and-physiology?Book%20details>

Your textbook for this class is available for free online. If you prefer, you can also get a print 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 formats 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. (Simple printouts sold by third parties on Amazon are not verifiable and not as high-quality.)

Anatomy and Physiology from OpenStax, Print ISBN 1938168135, Digital ISBN 1947172042, [www.openstax.org/details/anatomy-and-physiology](http://www.openstax.org/details/anatomy-and-physiology)

Supplemental = Textbook - WikiBooks – Human Physiology

[https://en.wikibooks.org/wiki/Human\\_Physiology](https://en.wikibooks.org/wiki/Human_Physiology)

## Policies

1. You must log into Blackboard and access this course a minimum of **3 times per week**.
2. Cheating of any type will not be tolerated. *This includes copying and pasting information.*
3. **If you wish to drop this course, you must drop it administratively. If you stop logging-in to the course and do not complete the course drop process, then you will receive an “F” grade for the course.**
4. 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 [Academic Calendar](#). If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

### **Student 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.

### **Course Evaluation**

Final grades will be calculated according to the following criteria:

1. Discussion Participation	10%
2. Assignments (Video Quizzes)	20%
3. Chapter Quizzes	20%
4. Midterm & Final Exam	30%
5. Individual & Group Project	20%

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**100%**

### **GRADING SCALE**

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

### **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>.

### **Technical Requirements (for courses using Blackboard)**

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**

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. <https://lit.edu/student-success/starfish>

### **Student Code of Conduct**

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](http://www.lit.edu). Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

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### **Course Requirements**

1. A Midterm and Final are required with two attempts given per assessment.  
The final score will be an **average of all attempts**.
2. Students will complete video quizzes and discussion boards for each chapter.
3. Students will complete an individual project and group project.
4. Five quizzes will be given. Each quiz can be taken twice, with an **average of all attempts** being used for the final score.
5. Late assignments will be accepted with a deduction as a late penalty.  
Students will receive a zero for assignments not completed.

## Weekly Checklist

### BIOL 2302 (Lecture) - Spring 2023

WEEK	ASSIGNMENTS	DUE DATES
<b>Week 1</b> Jan 16 <sup>th</sup> – 19 <sup>th</sup> <b>Module 4:</b> ~Introduction ~Endocrine System <u>Total Video Time:</u> 14 minutes	<input type="checkbox"/> Discussion Board 1: Introduction <input type="checkbox"/> Netiquette Discussion Board <input type="checkbox"/> Syllabus Quiz <input type="checkbox"/> Video Quiz: Endocrine (Chapter 17) <input type="checkbox"/> Read over Individual Project Instructions – Organ Poster due 03.08.24 <input type="checkbox"/> Join a group: Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 01.19.24 <input type="checkbox"/> 01.21.24 <input type="checkbox"/> 01.21.24
<b>Week 2</b> Jan 22 <sup>nd</sup> – 26 <sup>th</sup> <b>Module 4:</b> ~Endocrine System <u>Total Video Time:</u> 6 minutes	<input type="checkbox"/> Discussion Board 2: Endocrine <input type="checkbox"/> Video Quiz: Fight or Flight (or Freeze) Response (Chapter 17) <input type="checkbox"/> Start working on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Start working with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 01.26.24
<b>Week 3</b> Jan 29 <sup>th</sup> – Feb 2 <sup>nd</sup> <b>Module 4:</b> ~Cardiovascular (Blood) <u>Total Video Time:</u> 5 minutes	<input type="checkbox"/> Discussion Board 3: Blood Type <input type="checkbox"/> Video Quiz: Blood (Chapter 18) <input type="checkbox"/> Work on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 02.02.24
<b>Week 4</b> Feb. 5 <sup>th</sup> – 9 <sup>th</sup> <b>Module 4:</b> ~Cardiovascular (Heart) <u>Total Video Time:</u> 4 minutes	<input type="checkbox"/> Discussion Board 4: Heart <input type="checkbox"/> Video Quiz: Heart (Chapter 19) <input type="checkbox"/> Work on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 02.09.24
<b>Week 5</b> Feb 12 <sup>th</sup> – 16 <sup>th</sup> <b>Module 4:</b> ~Cardiovascular (Blood Vessels) <u>Total Video Time:</u> 10 minutes	<input type="checkbox"/> Video Quiz: Blood Vessels (Chapter 20) <input type="checkbox"/> QUIZ 1: Chapters 17 – 20 (Endocrine & Cardiovascular) Opens 02.16.24 and Closes 02.18.24 <input type="checkbox"/> Work on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 02.16.24 <input type="checkbox"/> 02.18.24

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### BIOL 2302 (Lecture) - Spring 2023

<b>Week 6</b> Feb 19 <sup>th</sup> – 23 <sup>rd</sup> <b>Module 5:</b> ~Immune System <u>Total Video Time:</u> 30 minutes	<input type="checkbox"/> Discussion Board 5: Immune/Lymphatic <input type="checkbox"/> Video Quiz: Immune System (Chapter 21) <input type="checkbox"/> Video Quiz: Immune System (Chapter 21) <input type="checkbox"/> Work on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 02.23.24
<b>Week 7</b> Feb 26 <sup>th</sup> – Mar 1 <sup>st</sup> <b>Module 5:</b> ~Respiratory System <u>Total Video Time:</u> 11 minutes	<input type="checkbox"/> Discussion Board 6: Respiratory <input type="checkbox"/> Video Quiz: How the Respiratory System Works (Chapter 22) <input type="checkbox"/> Video Quiz: How Oxygen Travels through your Body (Chapter 22) <input type="checkbox"/> QUIZ 2: Chapter 21 (Immune) & Chapter 22 (Respiratory) Opens 03.01.24 and Closes 03.03.24 <input type="checkbox"/> Work on Individual Project – Organ Poster due 03.08.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 03.01.24 <input type="checkbox"/> 03.03.24
<b>Week 8</b> Mar 4 <sup>th</sup> – 8 <sup>th</sup> <b>~Midterm Exam</b>	<input type="checkbox"/> MIDTERM EXAM Opens 03.06.24 and Closes 03.08.24 (Chapters 17 – 22) <input type="checkbox"/> DUE: Individual Project – Organ Poster <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 03.08.24
Mar 11 <sup>th</sup> – 15 <sup>th</sup> <b>Spring Break</b>	<input type="checkbox"/> Sleep, rest, relax <input type="checkbox"/> Enjoy time with family and friends <input type="checkbox"/> Netflix, etc. <input type="checkbox"/> Exercise <input type="checkbox"/> Read a good book <input type="checkbox"/> Do something nice for someone	
<b>Week 9</b> Mar 18 <sup>th</sup> – 22 <sup>nd</sup> <b>Module 5:</b> ~Digestive System <u>Total Video Time:</u> 10 minutes	<input type="checkbox"/> Discussion Board 7: Digestive <input type="checkbox"/> Video Quiz: Digestive (Chapter 23) <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 03.22.24
<b>Week 10</b> Mar 25 <sup>th</sup> – 29 <sup>th</sup> <b>Module 5:</b> ~Digestive System ~Metabolism <u>Total Video Time:</u> 11 minutes	<input type="checkbox"/> Video Quiz: Metabolism & Nutrition (Chapter 24) <input type="checkbox"/> QUIZ 3: Chapter 23 (Digestive) & Chapter 24 (Metabolism & Nutrition) Opens 03.29.24 and Closes 03.31.24 <input type="checkbox"/> Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 03.29.24 <input type="checkbox"/> 03.31.24



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<b>Week 11</b> April 1 <sup>st</sup> – 5 <sup>th</sup> <b>Module 5:</b> ~Urinary System <u>Total Video Time:</u> 7 minutes	<input type="checkbox"/> Discussion 8: Post your poster and comment on two other posters <input type="checkbox"/> Discussion 9: Urinary <input type="checkbox"/> Video Quiz: Urinary System (Chapter 25) <input type="checkbox"/> <b>DUE SOON</b> → Work with group members on Group Project – Body Systems & Disease due 04.12.24	<input type="checkbox"/> 04.05.24
<b>Week 12</b> April 8 <sup>th</sup> – 12 <sup>th</sup> <b>Module 5:</b> ~Urinary System <u>Total Video Time:</u> 2 minutes	<input type="checkbox"/> Video Quiz: Fluids & Electrolytes (Chapter 26) <input type="checkbox"/> <b>QUIZ 4: Chapter 25 (Urinary) &amp; Chapter 26 (Fluids &amp; Electrolytes)</b> Opens 04.12.24 and Closes 04.14.24 <input type="checkbox"/> <b>DUE:</b> Group Project – Body Systems & Diseases due 04.12.24	<input type="checkbox"/> 04.12.24 <input type="checkbox"/> 04.14.24
<b>Week 13</b> April 15 <sup>th</sup> – 19 <sup>th</sup> <b>Module 6:</b> ~Reproductive System <u>Total Video Time:</u> 16 minutes	<input type="checkbox"/> Discussion 10: Reproductive <input type="checkbox"/> Video Quiz: Reproductive (Chapter 27) <input type="checkbox"/> Video Quiz Surprising Effects of Pregnancy (Chapter 27)	<input type="checkbox"/> 04.19.24
<b>Week 14</b> April 22 <sup>nd</sup> – 26 <sup>th</sup> <b>Module 6:</b> ~Reproductive System (Development & Inheritance)	<input type="checkbox"/> Video Quiz: Development & Inheritance (Chapter 28) <input type="checkbox"/> <b>QUIZ 5: Chapter 27 (Reproductive) &amp; Chapter 28 (Development &amp; Inheritance)</b> Opens 04.26.24 and Closes 04.28.24	<input type="checkbox"/> 04.26.24
<b>Week 15 &amp; 16</b> April 29 <sup>th</sup> – May 3 <sup>rd</sup> May 6 <sup>th</sup> – 8 <sup>th</sup> <b>Final Exam Review</b> <b>~Final Exam</b>	<input type="checkbox"/> Review for Final Exam <input type="checkbox"/> Make up missing assignments <b>FINAL EXAM</b> Opens 05.03.24 and Closes 05.06.24 (Chapters 23 – 28) You made it!! Celebrate 😊	<input type="checkbox"/> Final is <b>due 05.06.24 by 11:59 pm</b>

Awesome!