

Spring 2025 BIOL_2401_009
Human Anatomy and Physiology I
T/W Lecture, S149, 1:00 PM – 2:15 PM
T/W Lab, S137, 2:30 PM – 3:45 PM

Instructor: Alhelí Romero, M.S.

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Office Hours:

Monday 10:45 AM – 11: 45 AM, 1 PM – 2 PM

Tuesday 10:45 AM – 11: 45 AM

Wednesday 10:45 AM – 11: 45 AM

Thursday 10:45 AM – 11: 45 AM

Friday 9:00 AM – 12 PM

Course Description:

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides hands-on learning experience for exploration of human system components and basic physiology.

Course Purpose:

To provide a general understanding of human anatomy and physiology for those students in the allied health fields and to meet requirements for an Associate of Arts Degree or Associate in Science Degree.

Learning Outcomes:

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. Describe modern technology and tools used to study anatomy and physiology.
7. Apply appropriate safety and ethical standards.
8. Locate and identify anatomical structures.
9. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems and virtual simulations.
10. Work collaboratively to perform experiments.
11. Demonstrate the steps involved in the scientific method.

12. Communicate results of scientific investigations, analyze data and formulate conclusions.
13. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing and summarizing to make decisions, recommendations and predictions.

Required Materials:

Textbook: Human Anatomy & Physiology. Twelfth Edition. By Marieb & Hoehn. (e-Version of the text should be provided in the *Inclusive Access* platform)

Online Resources: Mastering A&P- Human Anatomy and Physiology Courseware

Recommended Materials:

Quizlet- Online flashcard platform

Virtual Notetaking Applications- Notability, OneNote, GoodNotes, etc.

TexBook Syllabus Statement

This course is part of your TexBook program, which means you don't need to purchase a textbook or access code for this course. TexBook is the required content (either an eBook or online Courseware) for your course, and is provided for you via the Bibliu platform from Day 1 of class.

- Cost of TexBook: this required content is provided as part of a Program called 'Inclusive Access', which means that content is provided for you at the lowest price available from the publisher. The cost for this is included in your tuition.
- How to access your digital content via Bibliu: you can access your material via the Bibliu link inside your Blackboard Course, or directly via the Bibliu app. If you have issues with this, please contact your professor, the Bookstore Manager or Bibliu Support (see below).
- The Bibliu platform: you can use the Bibliu platform to enhance your learning experience, with features including: highlighting, notes and reading text aloud. For more details and support on how to use Bibliu, please visit the [BibliU support pages](#), or contact Bibliu support via the email: support@bibliu.com
- Opting out: you can Opt-Out of the TexBook Program, up until the Opt-Out deadline, via the banner displayed when you open the Bibliu platform. Remember that Opt-Out deadlines vary by term, and if you choose to Opt-Out you will lose access to this low price option, and will need to purchase the content through a different method. If you opt-Out, the fee will be refunded to your account.

Useful contacts:

1. Bibliu Support: email support@bibliu.com
2. Bookstore Manager: Christian Bruno - christian.bruno@bibliu.com
3. Bookstore Text Coordinator: Trish Wells - patricia.wells@bibliu.com

Online Communication:

The preferred method of online communication for the course will be Blackboard messages or announcements during work hours. Messages or emails sent outside of work hours will be responded to the following workday. Emails sent from non-South Plains College accounts will not be read or responded to.

Attendance Policy:

Attendance for a face-to-face course is important for your success and learning; therefore, it is strongly encouraged, but not mandatory. Attendance for exams, both lecture and lab practical exams, is mandatory. Attendance will be taken the first two weeks of the course for census requirements.

Student Code of Conduct and Academic Misconduct:

- Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.
- A high standard of conduct is expected of all students. It is assumed that obedience to the law, respect for property, authority, personal honor, integrity, and common sense will guide the actions of each member of this class.
- Students should respect the academic situation and be considerate of others in the classroom. Late arrivals should seat themselves quietly and without disruption to the lecture. During lecture, students should refrain from talking, eating, or any other behavior that will disturb others, including the instructor. Students should be alert, taking notes and paying attention during lecture, videos and discussions.
- Students are expected to follow the policies of Student Conduct in the SPC General Catalog. All students are expected to do their own work. Any form of academic or student misconduct will not be tolerated and will be handled according to the penalties listed, such as Course Grade Reduction and Administrative Course Withdrawal.

Administrative Drop:

A student can be administratively dropped from the course by the instructor for missing 2 or more exams without contacting the instructor, not attending the course by the official census date, violating student code of conduct, or excessive disruptive behavior.

Recording and Photography in Class:

Students must ask for permission from the instructor before taking any photos or recording of the lecture or lab material.

Syllabi Statements:

Students are expected to read through and follow the SPC course syllabi statements regarding Intellectual Exchange, Disabilities, Non-Discrimination, Title IX, CARE, Campus Concealed Carry, COVID-19. These can be found at the following website.

[Syllabus Statements \(southplainscollege.edu\)](https://www.southplainscollege.edu/syllabus-statements)

Grading Criteria:

- I. Lecture Exams- 60%
- II. Lab Practical Exams- 30%
- III. Assignments- 10%

Grading Scale:

- A: 100-89.5%
- B: 89.49-79.5%
- C: 79.49-69.5%
- D: 69.49-59.5%
- F: 59.49-0%

I. Lecture Exams: There will be four lecture exams throughout the course. These exams will be multiple choice, matching, T/F, or sequence questions. All exams must be taken in person. Once the exam has started, students that are late will have the remaining time to complete the exam. Once the allotted time has finished, all exams will be collected.

II. Lab Practical Exams: There will be three lab practical exams. These exams can be fill in the blank, matching, T/F, or multiple choice. All exams must be taken in person. Once the exam has started, students that are late will not be allowed into the exam.

III. Assignments: There will be additional assignments throughout the course. These can include weekly quizzes, practice labs, dynamic study modules, case studies, etc. Due dates will be posted on Blackboard on a weekly basis. The two lowest assignments scores will be dropped at the end of the semester. Those grades will still be recorded on Blackboard but will not be used in the calculation for the overall grade.

IV. Final Exam: There will be an optional comprehensive final exam at the end of the course. A student may choose to take the final to replace the grades of one of the lecture exams. The lab practical exam scores cannot be replaced by the optional final.

Missed Exam Policy:

Each student is permitted to miss one lecture or lab exam if documentation of illness or emergency is submitted to the instructor. The student is responsible for notifying the instructor within 24 hours of the scheduled exam time. Students will have the option of attending a make-up exam date within a week of the exam according to the availability of the instructor's office hours schedule.

Late Work Policy:

Late work is not accepted in this course and will receive a grade of zero. If you experience technical difficulties when attempting to submit an assignment, it is the student's responsibility to reach out to technical support in a timely manner. Extensions will not be given for any late assignments.

Course Schedule:

Dates	Lecture Content / Exams	Lab Content
1/13 – 1/17	Introduction, Chapter 1- Human Body Orientation	Mastering A&P Platform
1/20 – 1/24	Chapter 2- Chemistry Comes Alive	Axial Skeleton
1/27 – 1/31	Chapter 3- Cells	Axial Skeleton
2/6	Lecture Exam 1 (Chapters 1,2,3)	
2/3 – 2/6	Chapter 4- Tissues	Axial Skeleton
2/10 – 2/14	Chapter 4 – Tissue, Chapter 5- Integumentary System	Axial Skeleton
2/18	Lab Practical Exam 1 (Axial Skeleton)	
2/17 – 2/19	Chapter 6- Bones and Skeletal Tissues	Appendicular Skeleton
2/24 – 2/28	Chapter 8- Joints	Appendicular Skeleton
3/4	Lecture Exam 2 (Chapters 4,5,6)	
3/3 – 3/7	Chapter 11- Fundamentals of Nervous System	Appendicular Skeleton
3/10 – 3/14	Chapter 11- Fundamentals of Nervous System	Appendicular Skeleton
3/17 – 3/21	SPRING BREAK (NO CLASSES)	
3/25	Lab Practical Exam 2 (Appendicular Skeleton)	
3/24 – 3/28	Chapter 9- Muscles and Muscle Tissue	Nervous System Structures
3/31- 4/4	Chapter 9- Muscles and Muscle Tissue, Chapter 12- Central	Muscular System

	Nervous System	
4/10	Lecture Exam 3(Chapters 8,9,11)	
4/7 – 4/11	Chapter 12- Central Nervous System	Muscular System
4/14 – 4/18	Chapter 13- Peripheral Nervous System	Muscular and Nervous System
4/21 – 4/25	Chapter 14- Autonomic Nervous System	Muscular and Nervous System
4/29	Lab Practical Exam 3 (Muscles and Nerves)	
5/1	Lecture Exam 4 (Chapters 12-14)	
5/6 1 – 3 PM	Optional Comprehensive Final	

The instructor reserves the right to make changes to the syllabus as necessary.