

University of North Texas-Department of Biological Sciences-Fall 2025

Biology 2301.501: Human Anatomy and Physiology I

Class Meeting Time: Tuesday/Thursday 11:00am-12:20pm

Class location: Frisco Landing 166

Instructor Contact

Name: Lauren Bohenek, Ph.D.

Office Location: FRIP 225

Office Hours: Tuesday and Thursday 10:00-11:00am, location TBD

Email: lauren.bohenek@unt.edu

Course Prerequisites or Other Restrictions

Co-Requisites: Biol 2311.

No Prerequisites. Although there is no prerequisite for this course, some exposure to basic biological concepts, elementary chemical principles, and algebra is essential.

Materials

Textbook -Marieb Human Anatomy and Physiology, 12th Ed. Hoehn, Haynes and Abbott. Pearson Publishers. 2024 with Lab Manual. Pearson Mastering access is not required.

Course Objectives

By the end of this course, students will be able to:

1. State the basic physiological principles of the Cell, the Skin, the Skeletal system, the Muscular system, and the Nervous system.
2. Recognize and identify the basic gross and microscopic anatomical structures associated with the Human Tissue, Skin, Skeletal system, Muscular system and Nervous system.
3. State the interrelatedness of the major organ systems and how each organ system functions separately and as part of the integrated whole organism to maintain homeostasis.

Course Description

Functional anatomy and physiology of the human body including biological chemistry, cell morphology, membrane and tissue physiology, musculoskeletal system and the nervous system.

Biology 2301 is the first semester of a two-semester sequence in integrated human anatomy and physiology. The underlying theme of the course is the interrelationship between biological form and function. The course is designed to support a range of more advanced courses in kinesiology and the biomedical professions.

Course Structure

This course will be taught in a face-to-face format. The semester is 16 weeks long with the last week reserved for finals, pre-final, and reading days. We will be covering 14 chapters. This works out to approximately one chapter per week. Some chapters will be given more time, others less. PowerPoint presentations and other materials for the course will be provided through [Canvas](https://unt.instructure.com/) (<https://unt.instructure.com/>). You will be working with a group in class to work through problems and to respond to in class questions using [iClicker](https://macmillan.force.com/iclicker/s/article/Checklist-Getting-Started-with-the-iClicker-Student-App) (<https://macmillan.force.com/iclicker/s/article/Checklist-Getting-Started-with-the-iClicker-Student-App>). You will receive participation points for these in class activities and questions. If you will be missing class for a legitimate reason you will need to notify the instructor as soon as possible.

I will be using a combination of lecturing, problem solving, and low-stakes review questions with instant feedback. There will be a large amount of material to be memorized but the main goal of this course is for you to understand the interrelationships of the material and to be able to assemble these facts to answer application-type questions and problems. You will be responsible for keeping up with the reading and reviewing the material from each lecture. Each lecture will build on previous lectures.

Communication Expectations: The best method to contact me is through my UNT email. Emails need to include your complete name, the name of the course, and the section (Biol 2301.501). I will generally respond to messages within 48 hours (weekends and holidays excluded). Students encountering technical problems with course material, assignments, or quizzes/exams should contact me for assistance as early as possible before any due dates. If you do not contact me before the work is due, you may still be assessed grade penalties for late work. Communication from the instructor will come through Canvas as announcements or emails to your UNT email address. Please make sure you check your email account regularly as some communications may be time sensitive. Proper communication with your instructor and peers is important.

Course Schedule

Week/ Dates	Chapter/Reading/Material for Lecture	Assignments	Due Date
1 8/19-21	Ch. 1: The Human Body: An Orientation Homeostasis Chapter 2: Chemistry	Quiz 1: Course Intro	8/25
2 8/26-28	Ch. 2: Chemistry cont.	Quiz 2: Chapters 1 & 2	9/1
3 9/2-4	Ch. 3: Cells: The Living Units		
4 9/9-11	Ch. 3: Cells: The Living Units (cont.)	Quiz 3: Chapter 3	9/15
5 9/16-18	Exam 1: Chapters 1, 2, & 3 Ch. 4: Tissue: The Living Fabric	Exam 1: Chapters 1, 2 & 3	9/16
6 9/23-25	Ch. 5: The Integumentary System	Quiz 4: Chapters 4 & 5	9/29
7 9/30-10/2	Ch. 6: Bones and Skeletal Tissue	Quiz 5: Chapter 6	10/6
8 10/7-9	Ch. 8: Articulations	Quiz 6: Chapter 8	10/13
9 10/14-16	Exam 2: Chapters 4, 5, 6 & 8 Ch. 9: Muscles and Muscle Tissue	Exam 2: Chapters 4, 5, 6 & 8	10/14
10 10/21-23	Ch. 9: Muscles and Muscle Tissue	Quiz 7: Chapter 9	10/27
11 10/28-30	Ch. 10: The Muscular System Muscle Physiology Group Assignment Review for Exam 3	Quiz 8: Chapter 10	11/3
12 11/4-6	Exam 3: Chapters 9 & 10 Ch. 11: Nervous System & Tissue	Exam 3: Chapters 9 & 10	11/4
13 11/11-13	Ch. 12: Central Nervous System Ch. 13: Peripheral Nervous System	Quiz 9: Chapters 11, 12 & 13	11/17
14 11/18-20	Ch. 14: Autonomic Nervous System Autonomic Nervous System Activity Ch. 15: The Special Senses	Quiz 10: Chapters 14 & 15	12/1
15 11/24-28	Fall Break-No Classes		
12/2 12/4 12/5	Exam 4: Chapters 11-15 Review for final exam Reading Day (No classes)		12/2
	Final Exam Week- Exact Date/time TBD	Comprehensive	TBD
*All quizzes are on Canvas and are due at 11:59pm. **Exam dates or coverage are subject to change, with reasonable advance notice.			

Grading

Grading will follow a standard scale:

- A 100 – 89.5%
- B 89.4 – 79.5%
- C 79.4 – 69.5%
- D 69.4 – 59.5%
- F 59.4% and below

Your grade will be based on points divided between exams, assignments/quizzes, and group discussions/assignments. There will be 4 exams for this course. All exams will count equally. All exams are to be taken in person. All exams will be derived from the material covered in lectures.

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| • Exams- 4 Chapter Exams- 100 pts each | 400 points |
| • Final Exam, comprehensive | 100 points |
| • Quizzes, about 10, lowest 2 dropped, 12 pts each | 96 points |
| • In class participation/iClicker | 60 points |

****The lowest exam score can be dropped if you have missed no more than 3 classes.****

There will be 5 exams for this course (4 Chapter exams and a comprehensive final exam). All exams will count equally. **There will be no make-up exams, except in case of excused absences recognized by the University of North Texas (observation of religious holiday, military service or wherein a student is representing the university in an official capacity such as athletics or band). Medical emergency may be considered but must be documented by a medical professional.** All exams will be derived from the material covered in lectures.

Course Evaluation

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (<http://spot.unt.edu/>) or email spot@unt.edu.

Course Policies

Attendance/Participation

Students are expected to attend class meetings regularly and to abide by the attendance policy established for the course. Class participation will be based on the iClicker questions in class. You can miss 3 days of class without losing points.

Late Work

Late work will not be accepted, therefore, do not wait until the last minute to submit quizzes.

Examination Policy

For exams you will be using a scantron. You will need to bring a #2 pencil to take the exam. Exams taken using an ink pen will not be accepted. You are responsible for marking the scantron correctly. You may **not** utilize notes, electronic devices, or assistance from others on the exams.

Online Quiz Policy

The University is committed to providing a reliable online course system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will extend the time windows and provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and contact the UNT Student Help Desk: helpdesk@unt.edu or 940.565.2324 and obtain a ticket number. The instructor and the UNT Student Help Desk will work with the student to resolve any issues at the earliest possible time.

Syllabus Change Policy

This syllabus provides a plan for the execution of this course; however, because of potential unforeseen events or opportunities, the instructor reserves the right make some reasonable adjustments in the schedule of topics, the material covered, or other aspects of this course. Any changes to the schedule or syllabus will be announced in class and posted in announcements.

Course Technology & Skills

Minimum Technology Requirements

The minimum technology requirements for needed for this course are:

- Computer
- Reliable internet access
- Microsoft Office Suite
- [Canvas Technical Requirements](https://clear.unt.edu/supported-technologies/canvas/requirements) (<https://clear.unt.edu/supported-technologies/canvas/requirements>)

Computer Skills & Digital Literacy

Technical skills learners must have to succeed in the course:

- Using Canvas
- Using email with attachments
- Downloading and installing software
- Using presentation and graphics programs

Technical Assistance

Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

UIT Help Desk: [UIT Student Help Desk site](http://www.unt.edu/helpdesk/index.htm) (<http://www.unt.edu/helpdesk/index.htm>)

Email: helpdesk@unt.edu

Phone: 940-565-2324

In Person: Sage Hall, Room 130

Walk-In Availability: 8am-9pm

Telephone Availability:

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

Laptop Checkout: 8am-7pm

For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

UNT Policies

Academic Integrity Policy

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. All exams are to be taken independently. All notes and books should be stowed away during exams. In addition, all other electronics must be turned off and stowed during the exam. Cheating in any form will not be tolerated. Students caught cheating will receive a zero for that grade opportunity and a note will be placed in their permanent file. If caught cheating twice they will be permanently removed from the course. If you provide me with a doctor's note excusing you from an assignment, I will call the office to confirm. Forging and/or modification of a doctor's note will be reported to the Academic Integrity Office, will go on your permanent record, and will result in disciplinary action.

GenAI Policies:

Throughout the semester, you may use specific Generative AI (GenAI) tools for certain assignments, with guidance on responsible use. These assignments help build ethical resilience and GenAI literacy, preparing you for careers in a GenAI-oriented workforce. I use GenAI to streamline tasks, draft activities, draft syllabi, and build study guides. I will always disclose how I use GenAI, and I expect the same from you. In accordance with the UNT Honor Code, unauthorized use of GenAI tools is prohibited. Using GenAI content without proper credit, substituting your own work with GenAI, or relying on them to complete assignments undermines the learning process and violates UNT academic integrity policy. If you're unsure whether something is allowed, please seek clarification.

ADA Policy

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time; however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the [Office of Disability Access website](http://www.unt.edu/oda) (<http://www.unt.edu/oda>). You may also contact ODA by phone at (940) 565-4323.

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

UNT FERPA Policies:

The Family Educational Rights and Privacy Act (FERPA) protects students educational records (grades and more) and prevents UNT employees from sharing this information with other individuals. Even if the student has provided written consent to waive FERPA protection to educational records for specific individuals (ex. parent), I will not discuss a students' grades, performance, or other educational record information with anyone but the student.

Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct

violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (https://deanofstudents.unt.edu/conduct) to learn more.

[Access to Information - Eagle Connect](#)

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (https://it.unt.edu/eagleconnect).