NORTHEAST TEXAS COMMUNITY COLLEGE

BIOL 2401 Anatomy & PHYSIOLOGY

Course Syllabus: Fall 2026

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

Instructor: Lillia Elena Birdsong
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Weekday	Office Hours
Monday	8:00 am – 9:30 am
Tuesday	8:00 am – 9:30 am; 1:00-3:00pm
Wednesday	8:00 am – 9:30 am
Thursday	8:00 am – 9:30 am; 1:00-3:00pm
Friday	By Microsoft Teams

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

4 credit hours.

Anatomy and Physiology is the first part of the two-course sequence 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 basis physiology. Animal dissection is a required component of laboratory activity. Successful completion of BIO 2401 with C or better grade allows the student to continue on to BIOL 2402.

Student 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 utilized laboratory equipment, such as microscopes, dissection tools, general lab ware,
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.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

Requirement (%)	75 % Lecture Average
40 %	4 Unit Exams
20%	1 Comprehensive final Exam
14%	Learn Smart (Homework and quiz)
1%	Attendance
25%	Lab Average
5%	Lab Report + Quiz
20%	Lab Practical

Lab Practical Exam will be Fill in the Blank Question Type.

Semester grades will be earned as follows

Percentage	Letter Grade
90% and above	A
80 %–89.9%	B
70 %–79.9%	C
60%–69.9 %	D
59.9% and below	F

Required Instructional Materials:

Inclusive Access for Lecture Material: We have negotiated with the Publisher to obtain a discounted price for your lecture course materials. Your eBook and Connect Access Code are included with your tuition and will be available through Blackboard on the first day of class (use the link found on the Bb course homepage). The materials are required for your class and essential in your success. If you also determine that you would like a print copy of your text in addition to your inclusive access loose-leaf copies will be available in the College Store at a discounted price. You may opt out of purchasing your materials from the College Store through the Census Date for the course. If you choose to opt out you will be responsible for purchasing your Connect Access Code from another vendor. You will receive a refund for the Inclusive Access if you opt out.

ISBN Number: 9781260265224
Edition: 16

Optional Instructional Materials:

Lab Book: Laboratory Manual for Human Anatomy & Physiology, 5th Edition, Terry Martin, McGraw-Hill Publishers ISBN 9781260159363 Copyright 19
Lab Manuals cannot be rented from a third party. Each student must have a lab manual that can be written in and submitted for grading. No photocopies are allowed according to copyright laws.

Minimum Technology Requirements:

To access course materials and complete exams or quizzes, you will need:
-Laptop or desktop computer: A reliable laptop or desktop running Window, macOS, or compatible Linux distribution.
Minimum System Requirements:

Processor: At least a dual-core CPU.
RAM: Minimum of 4 GB (8 GB Recommended)
Storage: Sufficient storage space for files and installations (at least 10 GB)
Internet Connection: Stable high-speed internet connection.
Additional requirements: Webcam and microphone.

Required Computer Literacy Skills:

Learning Management System: The course will use Blackboard as an LMS platform.

Course Structure and Overview:

Lectures & Discussions:

Week1: Introduction to A&P I.
Week 2: Sciences of Anatomy and Physiology. Ch 3: Biology of the cell.
Week3: Biology of the cell.
Week4: Tissue Organization
Week5: Integumentary system
Week6: Skeletal system: Bone structure & function,
Week 7: Skeletal system: Axial & Appendicular skeleton.
Week 8: Skeletal system: Articulations.
Week9: Muscle tissue.

Week10 Muscular system: Axial & Appendicular muscles.
Week11 Muscular system: Axial & Appendicular muscles.
Week12 Nervous system: nervous tissue.
Week13 Nervous system: brain & cranial nerves, autonomic nervous system
Week14 Spinal cord.
Week 15 Senses.

Schedule is approximate and may be changed as needed.

Make-up Exams:

- Students must contact the instructor immediately upon returning to class if an exam is missed.
- Make-up exams will not include bonus points.
- Failure to take the comprehensive final exam or missing two or more exams will result in a failing course grade.
- Policy changes are at the discretion of the instructor.
- There is no make-up for daily work, and all assignments are due in person at the beginning of the class on the specified due date.

Attendance Policy:

- Regular and punctual attendance is mandatory for receiving a final grade.
- Attendance will be monitored.

Schedules:

- Lectures, lab, and Connect schedules are available on Blackboard.
- Students must manage their technical problems with Connect directly with the support service.
- Schedules are subject to change, and announcements regarding cancellations will be made on Blackboard or via email.
- Complete Connect assignments and quizzes well before their deadlines.

Student Responsibilities/Expectations:

- Cell phones must be turned off during class to maintain focus.
- Non-compliance may lead to dismissal from class and impact the overall grade.
- Phones may be collected during exams and reviews.
- Stay proactive about missed exams and assignments.
- Adhere strictly to attendance and electronic device policies.
- Remain updated via Blackboard for any schedule or policy changes.

Communications:

If you need to get in touch with me outside of office hours, please email me at .ebirdsong@ntcc.edu I will get back in touch with you within 24 hours. For faster and emergency communications we could use Microsoft Teams.

Institutional/Course Policy:

Failure to take the proctored an exam or proctored final exam will result in a grade of "F" for the course. The last day to drop with a "W" is **Nov 17.** If circumstances require you to withdraw from this course, you must do so by that date. It is the **student's responsibility** to initiate the withdrawal with the registrar's office. **Failure to officially withdraw will result in your receiving a grade of F.**

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (http://www.ntcc.edu/) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Employees and students shall be permitted to explore artificial intelligence (AI) and implement its use in and out of the classroom in accordance with policy and administrative regulations. The use of AI shall only be as a support tool to enhance student outcomes or as necessary to engage in research and shall never take the place of faculty, staff, and student decision-making. Any use of AI must comply with law, policy, and administrative regulations relating to student and employee privacy and data security. A student shall only use AI tools with faculty permission and shall be expected to produce original work and properly credit sources, including AI tools used in creating the work.

Example:
APA (7th edition)

OpenAI. (2026). ChatGPT (March 25 version) [Large language model]. https://chat.openai.com/

MLA (9th edition)

OpenAI. ChatGPT. 25 Mar. 2026, https://chat.openai.com/.

Employees or students who use AI tools to deceptively harm, bully, or harass others shall be disciplined in accordance with policy. [See DH, DIA series, FFD series, FFE, FLB, and the FM series] AI Use by Employees and Students. Northeast Texas Community College 225500 TECHNOLOGY RESOURCES CRB ARTIFICIAL INTELLIGENCE (LOCAL) DATE ISSUED: 12/8/2025 1 of 1 UPDATE 50 CRB(LOCAL)-AJC Adopted: 12/16/2025

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources

designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodation for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to request accommodation. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Schedule:

- Lectures, lab, and Connect schedules are available on Blackboard.
- Students must manage their technical problems with Connect directly with the support service.
- Schedules are subject to change, and announcements regarding cancellations will be made on Blackboard or via email.
- Complete Connect assignments and quizzes well before their deadlines.