NORTHEAST TEXAS COMMUNITY COLLEGE

Biol 2401.101 – Anatomy and Physiology 1, F2F

Course Syllabus: Summer I 2026

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

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Weekday	Office Hours
Monday	7:30 – 8 am
Tuesday	7:30 – 8 am
Wednesday	7:30 – 8 am
Thursday	7:30 – 8 am
Friday	None

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:

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.

Prerequisite(s):
None

Student Learning Outcomes:

College Student Learning Outcomes:

1. Critical Thinking Skills
   CT.1 Students will demonstrate the ability to 1) analyze complex issues, 2) synthesize information, and 3) evaluate the logic, validity, and relevance of data.
2. Communication Skills
   CS.1 Students will effectively develop, interpret and express ideas through written communication.
3. Empirical and Quantitative Skills

EQS.1 Students will manipulate numerical data or observable facts by organizing and converting relevant information into mathematical or empirical form.
EQS.2 Students will analyze numerical data or observable facts by processing information with correct calculations, explicit notations, and appropriate technology.

4. Team Work
   TW2. Students will work with others to support and accomplish a shared goal.

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 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.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

%	Requirement
75%	Lecture Average
25%	Lab Average

Semester grades will be earned as follows

Percentage	Letter Grade
90% and above	A
80 %–89%	B
70 %–79%	C
60%–69 %	D

59.9% and below	F

Lecture Average 75% of final course grade

4 Unit Exams	40% of the lecture grade
1 comprehensive final Exam	20% of the lecture grade
Learn Smart &Homework	14% of the lecture grade.
Attendance	1% of the lecture grade.

Lab Average 25% of final course grade

Lab Reports	5%
4 Lab Practicals	20%

Lab Practical Exams will be Fill in the blank.

Required Instructional Materials:

Publisher: McGraw Hill **ISBN Number: 9781260265224**

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.

Lecture Material: Hole's Human anatomy & Physiology. Autor: Charles J. Welsh &Cynthia Prentice-Craver. ISBN 9781260265224. 2024 Release.

* Scantrons will be necessary for your Exams.

Lab Instructional Materials:

Publisher: McGraw Hill **ISBN Number: 9781260265200**

Lab Book: Laboratory Manual for Human Anatomy & Physiology, 5th Edition, Terry Martin, McGraw-Hill Publishers ISBN 9781260265200

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 copy right laws.

Minimum Technology Requirements:

X

Required Computer Literacy Skills:

X

Course Structure and Overview:

Lecture-associated Make-up Work:

Make-up Exams: It is the student's responsibility to get in touch with the instructor immediately upon his/her return if an exam is missed. **If** a makeup exam can be given, there will be no bonus points added.

A failing course grade will result if the comprehensive final exam (#5) is missed or if two or more exams are missed. Changes to this policy are solely up to the discretion of the instructor. On occasion assignments may be given in class.

There is no makeup for daily work. All assignments are due at the **beginning** of the period and must be turned in **in person**. Lecture assignments will be **accepted only** on the due date.

Attendance Policy:

***** Regular and punctual attendance is expected to receive a final grade.

Attendance will be taken.

Attendance in lab is required in order to get a grade for the lab we are completing.

Communications:

Please utilize my email or Teams for communication purposes. I will get back to you within 24 hours of your email. I do not typically return emails between the hours of 9 pm – 6 am.

Institutional/Course Policy:

Failure to take the final exam will result in a grade of "F" for the course. The last day to drop with a "W" is **July 1.** 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 & Discussions:

6/8	Day 1:	Introduction to A&P I. ch 1: Sciences of Anatomy and Physiology.
	Day 2:	ch 4: Biology of the cell.
	Day 3:	ch 5: Tissue Organization
	Day 4:	ch 6: Integumentary system
6/15	Day 5:	Unit 1 Exams
	Day 6:	ch 7: Skeletal system: Bone structure & function,
	Day 7:	ch 7: Skeletal system: Axial & Appendicular skeleton.
	Day 8:	ch 8: Skeletal system: Articulations.
6/22	Day 9:	Unit 2 Exams and begin Muscle Labs
	Day 10	ch 9: Muscles
	Day 11	ch 9: Muscles
	Day 12	ch 9: Muscles
6/29	Day 13	Unit 3 Exams
	Day 14	ch 10: Nervous system: nervous tissue.
	Day 15	ch11: Nervous system: divisions of the nervous system
	Day 16	ch12: Senses.
7/6	Day 17	Unit 4 Lecture Exam
7/7	Day 18	Unit 4 Lab Practical
7/9	Day 20	Final Exam (Lecture only)

Schedule is approximate and may be changed as needed.