



BIOL 2401 Anatomy and Physiology I

Course Syllabus: Fall 2026

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

Instructor: Dr. Jason Thurman

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Weekday	Office Hours
Monday	2:00 – 2:45pm
Tuesday	2:00 – 2:45pm
Wednesday	2:00 – 2:45pm
Thursday	2:00 – 2:45pm
Friday	2:00 – 2:45pm

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 & Physiology I is intended for students entering a field of study in health sciences, physical therapy, kinesiology or any student who needs a basic understanding of the structure and function of the human body. This course is the first semester of a two-semester sequence and includes a study of basic cell biology, histology, the integument, skeletal, muscular and nervous systems. Animal dissection is a required element of the laboratory component in both face-to-face and online courses. Successful completion of BIOL 2401 with a C or better allows the student to continue to BIOL 2402. Three hours of lecture and three hours of lab each week

Prerequisite(s):

None

Student Learning Outcomes:

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships between 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
25%	Tests 1-4
20%	Assignments
10%	Labs
10%	Lab Practical's
10%	SLO's
25%	Final Exam

Lecture Average 80% of final course grade

Lab Average 20% of final course grade

The "lecture" component of this course will consist of online homework/quizzes through McGraw-Hill Connect and examinations with the following weight in calculating final lecture average:

20% Connect Online Assignments, Assessments, Vocabulary, and worksheets. (Work Can be submitted up to 5 days late with a 5% penalty for every day late up to 5 days)

- LearnSmart assignments are beneficial to your understanding of the material. These are not figured into your course grade; however, students have said that doing the LearnSmart exercises improved their grades. This guided reading helps identify areas that you are having trouble understanding. This should take an average of 35-50 minutes.
- Homework assignments are required and figured into the course grade. This can be done 2 times before the due date. There is no time limit, so it is advisable to start early and work on this all during the week. Use of the eBook and hints are available with no deductions. Feedback will be shown after submitting each attempt. After the first attempt, you will see what questions you got correct or incorrect. After the 2nd attempt, more detailed feedback is given. Printing is allowed. Study attempts: After the due date, these homework assignments will be available for practice without changing your grade.
- Assessments (Quizzes) are required and figured into the course grade. Usually 20 – 25 questions are pulled from a pool of questions. You may see new questions each time. Quizzes have a time limit of 60 minutes.
- For both Connect Homework and Connect Quizzes, don't wait until the last day or two to complete the assignment. If you have Connect problems, that will NOT be a reason to be late. It is your responsibility to contact Connect and get any problems resolved. However, before you get in touch with Connect, send me an email telling me your problem. This way I can check to make sure that everything is set correctly on my end. Since it may take me 24 hours to get back with you, this is even more reason not to wait until the last minute.
- Vocabulary will be assigned at the beginning of each chapter and due at the end of the chapter. Vocabulary is numerous.
- Worksheets will occasionally be used as supplemental material

25% Tests 1-4

25% Final Exam

10% SLO's (Student Learning Outcomes, 1 per unit, 4 total) Will be due after all chapters pertaining to that units have been completed.

The "Lab" component of this course will consist of Hands-on laboratory activities through Carolina Biologicals Lab Kit for A&P I, as well as two lab practicals:

10% Lab Carolina Biologicals Hands-on Labs.

- Working in partnership with another student means that both learners should contribute to the laboratory atmosphere in learning from each other and yet, complete each lab report in your own words (do not simply copy from one another). Collaboration between student learners on the lab exercises can be beneficial if you work with each other to enhance the learning experience. Each partner must be present during the completion of the lab activities and participate fully in the work. Each student must complete their own lab reports.
- Lab Reports are graded based on documented evidence of completion of the lab exercise and successful answering of questions presented. Short answer questions are expected to be answered in complete sentences in your own words.
- All assignments including lab reports need to be submitted on the due date by the time specified. Due to a lag at time that may occur (very rarely) between submission and receipt, no points will be taken off if the assignment is stamped as being submitted within 2 hours past midnight on Sunday. There is no reason to submit a lab assignment past the due date. Labs will generally be graded within 1 to 2 weeks after submission.
- 10% Lab practical's
- Two lab practical's (10% each) will be given during the semester. See the schedule for the dates that the Lab practical's will be given. As a rule, these will consist of 50 questions (multiple choice and fill in the blank).
- Lab practical #1 will cover lab material from Chapters 1 -6: Fetal Pig dissection, anatomical terminology, cell structure and function, tissues and integument.
- Lab practical #2 will cover lab material from Chapters 7 and 8: Skeletal System and
- Articulations of Chapter 9: Muscular System of Chapters 10-12: Nervous System, general and special senses.

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

Required Instructional Materials:

Hole's Human Anatomy & Physiology

Release: Evergreen

Author: Charles Welsh

Publisher: McGraw Hill

ISBN Number: 9781264262830

A&P I Carolina Distance Learning Lab Kit # 581875

Winnsboro High School will be ordering your kit as soon as possible prior to the start of the semester so you will be prepared to begin the lab activities on time. You will be working with a partner in lab so there will be 1 kit per 4 students.

Optional Instructional Materials:

None

Minimum Technology Requirements:

Laptop, Chromebook, or computer , access to daily internet, Microsoft Office

Required Computer Literacy Skills:

Ability to use a web browser to access NTCC Blackboard System for course information, eBook and Connect assignments.

Ability to access NTCC student email system and communicate professionally and competently with instructor.

Ability to create and complete Word documents, save on your computer and upload into Bb assignment links.

Course Structure and Overview:

This is Dual Credit course in Anatomy and Physiology. Lecture and laboratory will be face to face, and assignments will be delivered through the Blackboard Learning Management System at NTCC. Students should ensure that they have the appropriate hardware, software, and technical skills for completing all assignments, labs and tests. Be sure to read the contents of the "START HERE" folder in Blackboard so that you fully understand all additional course requirements. If you have not taken a course in

Blackboard at NTCC before, it is recommended that you review the basic Blackboard Skills of submitting assignments, and sending messages. These tutorials can be found on the Student Resources tab under Blackboard Assistance as well as in the Important technical requirements, information and support folder found in "START HERE". Contact me with any questions you may have.

Communications:

Email: jthurman@ntcc.edu

Institutional/Course Policy:

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:

Week 1- Chapter 1
Week 2- Chapter 2
Week 3- Chapter 3
Week 4- Test 1 (Ch's. 1-3)
Week 5- Chapter 4
Week 6- Chapter 5
Week 7- Chapter 6, SLO Unit 1 Due end of this week.
Week 8- Test 2 (Ch's. 4-6), Lab Practical #1
Week 9- Chapter 7
Week 10-Chapter 8 , SLO Unit 2 Due end of this week.
Week 11- Chapter 9, SLO Unit 3 Due end of the Week. I

Week 12- Test 3 (Ch's. 7-9)

Week 13- Chapter 10

Week 14- Chapter 11, & SOL UNIT 4

Week 15- Test 4 (Ch's. 10-11), Lab Practical #2

FINAL WEEK- FINAL EXAM (Ch's. 1-11)