



BIOL 2401.004 Anatomy & Physiology I
Course Syllabus: Fall 2019

"Northeast Texas Community College exists to provide responsible, exemplary learning opportunities."

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	8:00 – 9:30 a.m.	8:00 – 9:30 a.m. 1:00 – 5:00 p.m.	8:00 – 9:30 a.m.	8:00 – 9:30 a.m.		via NTCC email

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

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 integumentary, 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 on to BIOL 2402. This course consists of three hours of lecture and three hours of lab each week. Prerequisites: None.

Inclusive Access: 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 class day (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.

The lab manual must be purchased separately.

Required Textbook(s):

Anatomy & Physiology: An Integrative Approach, McKinley, 3rd Edition, 2018

Laboratory Manual for Anatomy & Physiology: Pig Version, Martin, 4th Edition, 2019

Publisher: McGraw-Hill

ISBN Numbers: ISBN 9781260572148 (this is the optional loose leaf upgrade for the text)
ISBN 9781260159363 (this is the required lab manual)

Recommended Reading(s): Assigned Text Book

College Student Learning Outcomes:

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.

Communication Skills (CS.1) Students will effectively develop, interpret and express ideas through written communication.

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.

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

Student Learning Outcomes:

1. Define anatomy and physiology, explain the importance of the relationship between structure and function and be able to describe directional terms and anatomical positions.
2. Explain the nature of a human cell.
3. Describe the general make-up of a tissue and be able to recognize the primary tissue types and examples of each type.
4. Describe the general structure and function of the integumentary system.
5. Describe the general structure and function of the skeletal system inclusive of joints.
6. Summarize the major characteristics and functions of skeletal, smooth and cardiac muscle. Be able to identify the major superficial muscles of the human body.
7. Describe the general structure and function of the nervous system including special senses.
8. Communicate results of scientific investigations, analyze data and formulate conclusions using critical thinking and scientific problem-solving skills.

Lectures & Discussions: Just a short description of each week's topic

Please NOTE: Lecture and Exam Schedules are subject to change.

Week 1-	August 26	Intro to A&P, & Chapter 1: Anatomical Terminology
	August 28	Chapter 2
Week 2-	September 2	Labor Day Holiday
	September 4	Chapter 3
Week 3-	September 9	Chapter 4: Biology of the Cell
	September 11	Chapter 4 Continued
Week 4-	September 16	Chapter 5: Tissue Organization
	September 18	Chapter 5 Continued
Week 5-	September 23	Chapter 6: Integumentary System

	September 25	LECTURE EXAM I: Chapters 1, 2, 3, 4, 5, and 6
Week 6-	September 30	Chapter 7: Skeletal System: Bone Structure & Function;
	October 2	Chapter 7 Continued
Week 7-	October 7	Chapter 8: Axial & Appendicular Skeleton;
	October 9	Chapter 8 Continued
Week 8-	October 14	Chapter 9: Articulations
	October 16	Chapter 9 Continued
Week 9-	October 21	LECTURE EXAM 2: Chapters 7, 8, and 9
	October 23	Chapter 10 Muscle Tissue
Week 10-	October 28	Chapter 10 Muscle Tissue
	October 30	Chapter 11: Muscular System: Axial & Appendicular Muscles
Week 11-	November 4	Chapters 10 and 11 continued
	November 6	Chapter 12: Nervous System: Nervous Tissue
Week 12-	November 11	LECTURE EXAM 3: Chapters 10 and 11
	November 13	Chapter 12: Nervous System: Nervous Tissue
Week 13-	November 18	Chapter 13: Nervous System: Brain & Cranial Nerves
	November 20	Chapter 14: Nervous System: Spinal Cord & Spinal Nerves
Week 14-	November 25	Chapter 15: Nervous System: Autonomic Nervous System;
	November 27	Thanksgiving Holiday
Week 15-	December 2	Chapter 16: Nervous System: Special Senses
	December 4	LECTURE EXAM 4 Chapters 12, 13, 14, 15 and 16
Week 16-	December 9	FINAL EXAM (Comprehensive): Date and Time to be determined

Tentative Lab Schedule:

Week 1-	August 26	Lab Introduction
	August 28	Lab 2
Week 2-	September 2	Labor Day Holiday
	September 4	Lab 4
Week 3-	September 9	Lab 5/7
	September 11	Lab 6
Week 4-	September 16	Lab 8
	September 18	Lab 9
Week 5-	September 23	Lab 11
	September 25	Lab Practical I
Week 6-	September 30	Lab 12/13
	October 2	Lab 14
Week 7-	October 7	Lab 15
	October 9	Lab 16
Week 8-	October 14	Lab 17/18 (Homework Only)
	October 16	Lab 19
Week 9-	October 21	Lab Practical 2
	October 23	Lab 10/20
Week 10-	October 28	Lab 22
	October 30	Lab 23
Week 11-	November 4	Lab 24

	November 6	Lab 25/26
Week 12-	November 11	Lab Practical 3
	November 13	Lab 10/27/30
Week 13-	November 18	Lab 28
	November 20	Lab 32
Week 14-	November 25	Lab 35/36 Eye Dissection
	November 27	Thanksgiving Holiday
Week 15-	December 2	Lab 37/38
	December 4	Lab Practical 4
Week 16-	December 9	FINAL EXAM WEEK – no final exam in Lab

Evaluation/Grading Policy:

Overall Course Grade Weighted As Follows: Lecture = 75%; Lab = 25%

Tests/Exams:

LECTURE –75%

EXAMS: 60% of Overall Course Grade

4 Lecture Exams = 40% of Overall Course Grade

FINAL EXAM (Comprehensive) = 20% of Overall Course Grade

ASSIGNMENTS (Connect, LearnSmart, and Homework) 15% of Overall Course Grade

LABORATORY – 25%

Average of Lab Report/Exercise Grades and Weekly Lab Quizzes = 20% of Overall Lab Grade

Lab Practical Exam Avg (4 Exams) = 80% of Overall Lab Grade

NOTE: Lab Practical Exams will be Fill In The Blank.

LABORATORY ATTIRE: No shorts, short skirts, sleeveless shirts, loose clothing, bare midriffs, low tops, open-toed shoes or sandals will be allowed in the laboratory. Proper lab attire is required at all times, which includes clothing that covers upper arms, legs, thorax and abdomen. Long hair should be tied back to avoid getting it into the dissection field. Students not meeting proper laboratory attire will not be allowed to participate in lab and will receive a zero for the Post-Lab assignment.

Assignments:

ASSIGNMENTS: (CONNECT LearnSmart and Homework Tutorials): 15% of Overall Course Grade

Lab reports and exercise grades as outlined above

Student Responsibilities/Expectations:

Northeast Texas Community College is a “community of scholars.” Please remember that you and all students in this class are pursuing very important goals in your lives. As scholars, I expect every student to be courteous to other individuals. It is expected that you will adhere to all college policies on academic honesty.

The last day to drop the course with a grade of W is **Tuesday, November 19th, 2019**. 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.**

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations 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 accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in the College Connection. Please call: 903-434-8218. For more information and to obtain a copy of the Request for Accommodations, please refer to the [NTCC website - Special Populations](#).

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.