



BIOL 2401.002 .003
Anatomy & Physiology I
Course Syllabus: Spring 2018

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

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	11:00am-12:30 pm	11:00am-12:30 pm	11:00am-12:30 pm	11:00am-12:30 pm		

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: A study of the structure and function of human organ systems including integumentary, skeletal, muscular and nervous. Animal dissection is a required component of laboratory activity in both face-to-face and online courses. The natural sciences and allied health divisions of the college strongly recommend that [CHEM 1406](#) be the first course in the pre-nursing/pre MLT sequence and be taken prior to enrolling in A & P I. The topics covered in CHEM 1406 serve as a foundation to the following courses: Nutrition, A & P I, and A & P II; Microbiology (CHEM 1406 pre-requisite). Successful completion (final grade of C or better) of BIOL 2401 will allow the student to continue on to [BIOL 2402](#).

Three hours of lecture and three hours of lab each week.

Required Textbook(s):

Lecture: Hole’s Human Anatomy & Physiology 14th ed. Shier/Butler/Lewis

Publisher: McGraw-Hill Publisher

ISBN Number: 978-0-07-802429-0

Laboratory: Martin Laboratory Manual For Human A&P: Fetal Pig Version W/Phils 4.0 Access Card Copyright 12 ISBN 0-07-758317-5

Recommended Reading(s): Assigned Text Book

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:

LECTURE CALENDAR BIOLOGY 2401 Spring 2018

WEEK LECTURE TOPIC(S)

- JAN 16- Roll call/Syllabus
- JAN 18 - Chapter 1 Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- JAN 23 -Chapter 1 INTRO DUCTION TO ANATOMY AND PHYSIOLOGY
- JAN 25 Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- JAN 30 1 Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- FEB 1 Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- FEB 6 Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- FEB 8 - Chapter 1 INTRODUCTION TO ANATOMY AND PHYSIOLOGY
- FEB 13 Chapter 2 Chapter 3/4 Chemical Bases of Life /Cells /Cell Metabolism
- FEB 15 28 Chapter 2 Chapter 3/4 Chemical Bases of Life /Cells /Cell Metabolism
- FEB 20- the Integumentary System
- FEB 22 Chapter 6 Skin and the Integumentary System
- FEB 27 Chapter Skin and the Integumentary System
- MAR 1 - Lecture Test Chapters 1,2,3,4,5,6/
- MAR 6- Chapter 7 Skeletal System
- MAR 8 Chapter 7 Skeletal System
- MAR 12-----MAR 17 SPRING BREAK
- MAR 20- Chapter 7 Skeletal System
- MAR 22 Chapter 7 Skeletal System
- MAR 27 Chapter 8 Joints
- MAR 29 Lecture Test Chapter 7 chapter 8
- APR 3 Chapter 9 Muscular System
- APR 5 Chapter 9 Muscular System
- APR 10 Lecture Test Chapter 9

APR 12 Chapter 10 Nervous System 1
 APR 17- Chapter 10
 APR 19 Chapter 10 Nervous System 1
 APR 24 Lecture Test
 APR 26 Chapter 11 Nervous System
 MAY 1 - Chapter 11 Nervous System
 MAY 3 Test Chapter 11 Nervous System
 MAY - 8 Chapter 12

Evaluation/Grading Policy:

I. Lecture

Lecture will meet twice a week; meeting for one hour and twenty minutes per lecture.

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| A. | Four major tests will be given | 50% of grade |
| B. | One Comprehensive Final | 25% |
| | | 75% |

II. Lab

Lab will meet once or twice a week depending on your schedule. Twice a week labs will meet for one hour and twenty minutes per day. Once a week labs will meet two hours and forty minutes. However, lab time, on certain days, will depend on the time needed to complete necessary lab assignments or procedures.

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| A. | Daily Work | 20% |
| B. | Lab Practicals | 80% |
| | | 100% |

III. Final Evaluation

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| Lecture | 50% |
| Lab | 25% |
| Comprehensive Final | 25% |
| | 100% |

Assignments:

Other Course Requirements:

Student Responsibilities/Expectations:

Attendance Policy

Regular and punctual attendance at all scheduled classes is required by every student. Students absent, for any reason, are still responsible for lecture materials and any required assignments. There are no excused absences. Excessive absences will ultimately hinder your success in this course. Therefore, it is the responsibility of the student to withdraw from this course before the final withdrawal

date to receive a “W”. However, your failure to abide by this institutional rule will result in you receiving an “F” for this course.

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 Shannin Garrett, Academic Advisor/Coordinator of Special Populations located in the College Connection. She can be reached at 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.

Other Course Policies:

All cell phones will be turned off during lecture and test. Students must obtain permission from instructor to place