



BIOL 2402.001
Anatomy & Physiology II
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: Prerequisite: [BIOL 2401](#) with a final grade of C or better. A study of the structure and function of human organ systems including circulatory, digestive, respiratory, urinary and reproductive. (Continuation of [BIOL 2401](#)). Animal dissection is a required component of laboratory activity in both face-to-face and online formats. 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 A & P II. 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).

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. Explain the nature of the endocrine system.
2. Describe the characteristics and functions of blood.
3. Discuss the major structures and functions of the organs of the cardiovascular system.
4. Describe the major structures and general functions of the lymphatic system and immunity.
5. Name the major organs of the digestive system and describe the general functions.
6. Name the major organs of the respiratory system and describe the general functions.

7. Discuss the major structures and functions of the urinary system including water and electrolyte balance.
8. Describe the major structures and functions of the male and female reproductive systems.
9. Communicate results of scientific investigations, analyze data and formulate conclusions using critical thinking and scientific problem-solving skills.

Lectures & Discussions:

LECTURE CALENDAR BIOLOGY 2402 Spring 2018

WEEK/	LECTURE/ TOPIC(S)
Jan 17	Roll call/Syllabus
Jan 22	Endocrine/Reproduction
Jan. 24	Chapter 13/22 Endocrine/Reproduction
Jan 29	Chapter 13/22 Endocrine/Reproduction
Jan 31	Chapter 13/22 Endocrine/Reproduction
Feb 5	Chapter 13/22 Endocrine/Reproduction
Feb 7	Chapter 14 Blood
Feb 12	Chapter 14 Heart Cardiovascular
Feb 14	Chapter 15 Heart Cardiovascular
Feb 19	Chapter 15 Heart Cardiovascular
Feb 21	Chapter 15 Heart/ Cardiovascular
Feb 26	Chapter 15 Heart/ Cardiovascular
Feb 28	Lecture Test Chapters 14&15 Blood/ Heart/ Cardiovascular
Mar 5	CHAPTER 16 - LYMPHATIC SYSTEM AND IMMUNITYsystem
Mar 7	CHAPNov 28 CHAPTER 17 - DIGESTIVE SYSTEMTER 16 - LYMPHATIC SYSTEM AND IMMUNITY
Mar 12 18	Spring Break
Mar 19	CHAPTER 16 - LYMPHATIC
Mar 21	Chapter 16
Mar 26	CHAPTER 17 - DIGESTIVE SYSTEM
Mar 28	CHAPTER 17 - DIGESTIVE SYSTEM
Apr 2	CHAPTER 19 - RESPIRATORY SYSTEM/Chapter 20 urinary
Apr 4	CHAPTER 19 - RESPIRATORY SYSTEM/Chapter 20 urinary
Apr 9	Test
Apr 11	CHAPTER 20 URINARY SYSTEMUrinary System
Apr 16	WATER,ELECTROLYTE,AND ACID BASE BALANCE
Apr 18	Test
Apr 23	Reproduction
Apr 25	Reproduction
Apr 30	Reproduction
May 2	Genetics
May 7	test

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 twice a week. Twice a week labs will meet for one hour and twenty minutes per day. However, lab time, on certain days, will depend on the time needed to complete necessary lab assignments or procedures.

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