



BIOL 2402 Anatomy & Physiology II (BIOL 2402.061)

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
	30 minutes before or after class		30 minutes before or after class			

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 endocrine, 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).

Required Textbook(s):

Lecture:

David Shier, Hole's Human Anatomy & Physiology Printed Text W/Connect

Shier Binding Shrink Wrapped Copyright 2016 Edition 14 McGraw-Hill ISBN 1-2596-2126-X
-OR

SHIER/Hole's Human Anatomy & Physiology Digital Text W/Connect

Shier Binding None Copyright 2016 Edition 14 ISBN 1-2592-9567-2

Laboratory:

Terry R. Martin, Laboratory Manual for Human A&P: Fetal Pig Version W/Phils 4.0 Access Card

Martin Binding None Copyright 12 Edition 2 ISBN 0-07-758317-5

A&P II Student Learning Outcomes

Upon successful completion of this course, students will:

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:

- Week 1-Introduction to A&P II
- Week 2- Endocrine System
- Week 3- Digestive
- Week 4- Blood
- Week 5- Blood and Cardiovascular System
- Week 6- Cardiovascular Systems
- Week 7- Lymphatic System and Immunity
- Week 8- Water & Electrolyte Balance
- Week 9- Respiratory System
- Week 10- Urinary System
- Week 11- Urinary System
- Week 12- Reproductive System
- Week 13 – Reproductive System
- Week 14 – Pregnancy and Development
- Week 15 – Genetics

Evaluation and Grading Policy:

A. Lecture: 75% of the final course grade.

- 4 major examinations (40%)
- A comprehensive final exam (20%)
 - See schedule for final exam date
 - **Scantrons and a “Bluebook” will be needed for exams.**
- Online “Connect” assignments are required. Connect homework counts **15%** of the course grade.
 - **LearnSmart** assignments are highly recommended. These guided readings help identify areas that you are having trouble understanding. These scores are NOT figured into the 15%; however, you may be given extra credit for doing them.

B. Laboratory: 25 % of the final course grade

- 20% 4 lab practicals (5% each)
- 5% Lab exercises/quizzes

Reminder to all Students Concerning the Laboratory Portion of the Course

- Absolutely no food or drink can be brought into the lab. Please consume all food and drink before you enter the lab.
- **Lab books cannot be copied or copyright laws will be violated. Rental lab books or copies of lab books will not be accepted.**
- To make the most of your laboratory experience, you will need to read each laboratory exercise **PRIOR**

to attending lab each day. Familiarize yourself with all relevant terms and be sure that you have a general understanding of the objectives of each exercise.

- Portions of the Lab Assessment may be assigned to be completed **before** lab and will be checked for completion at the beginning of the lab period. The remaining laboratory exercise will be completed during the lab period. Turn in or have the entire lab assessment checked at the end of lab unless otherwise instructed. Keep up with all returned lab reports. Place them in a folder so you can use them to study from for the lab practicals.
- Dissections will be performed during the semester. Dissecting materials will be supplied. Gloves are recommended and are the student's responsibility. **Gloves are not provided by the biology department.**

Course grades will be determined as follows:

90.0 --- 100 = A	60.0 --- 69.9 = D
80.0 --- 89.9 = B	59.9 and < = F
70.0 --- 79.9 = C	

Student Responsibilities/Expectations:

- **Please turn cell phones OFF DURING CLASS so you can devote your time to your studies.**
- Failure to abide by this classroom policy will result in your dismissal from class and will be reflected in your course grade.
- Students may be asked to turn in cell phones when an exam is given and/or also when it is reviewed
- Last Day to Drop the Course:
 - The last day to drop the course with a grade of "W" is Thursday, April 12th.
 - 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.**

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.

Please review the NTCC Academic Honesty Statement in the catalog.

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 arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

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.