



## BIOL 2404 Survey of Anatomy & Physiology Course Syllabus:

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

**Dr. Kathy Carter**

**Office:** 159 UHS

**Phone:** 903.434.8298 (Ms. Rodriguez, faculty assistant); 903.434.8304 (my office phone number)

**Email:** [kcarter@ntcc.edu](mailto:kcarter@ntcc.edu)

Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	4:30pm-5:00pm	9:30am-11:00am  1:30pm-5:00pm	4:30pm-5:00pm	9:30am-11:00am  1:30pm-5:00pm	By appointment	<a href="mailto:kcarter@ntcc.edu">kcarter@ntcc.edu</a>

*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 2404 is intended for students entering the field of study in allied health sciences, social work, physical therapy, physical education or any student who needs a basic understanding of the structure and function of the human body. This course is a survey course of human anatomy and physiology, and provides a broad overview of the subject. This is a one semester course encompassing basic cell biology, histology, the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems. This is a 4 credit hour course consisting of three hours of lecture and three hours of lab each week.

**Required Lecture Textbook:** Martini, Ober, Bartholomew, Nath's " Visual Essentials of Anatomy & Physiology: **Pearson Publishing; ISBN-13: 978-0321792723 ISBN-10: 0321792726 Edition: 1<sup>st</sup>**

**Required Lab Manual:** Marieb / "Essentials Of Human Anatomy & Physiology Laboratory Manual": **Pearson Publishing; ISBN 978-0-321-94791-8 6<sup>TH</sup> Edition;** **PLEASE NOTE: Lab Manuals CANNOT be rented from a third party. Each student MUST have a consumable lab book from which pages MUST be torn out and submitted for grading. This means that absolutely NO copies can be submitted as it violates copyright laws.**

## SURVEY OF A&P Student Learning Outcomes:

Upon successful completion of this course, students will:

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among cellular 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. Communicate results of scientific investigations, analyze data and formulate conclusions.
10. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations and predictions.

**Attendance Policy:** Regular and punctual attendance is mandatory in lecture and lab.

## EVALUATION

TOTAL COURSE GRADE = LECTURE GRADE = 75 % plus LAB GRADE = 25%

1. LECTURE GRADE DETERMINATION:

HOMEWORK:	10%
4 LECTURE EXAMS:	40%
FINAL EXAM (COMPREHENSIVE):	25%

2. LABORATORY GRADE DETERMINATION:

- a. The average of the Lab "Exercise Review Sheet" grades and the Lab Quizzes = 20% of Total Lab Grade
- b. The average of the Lab Practical Exams (5 of these) = 80% of Total Lab Grade

## BIOL 2404 SURVEY COURSE LECTURE SCHEDULE FALL 2017

(Dates/Order Subject to Change)

WEEK	TOPIC(S)
1	Introduction; Review of Syllabus Chapter 1: Anatomical Terminology, Homeostasis, A&P Definitions
2	LABOR DAY Chapter 3: Cells; Cell Structure, Organelles, Substance Transport In & Out of the Cell, Cell Reproduction via Mitosis
3	Chapter 3: Cells; Cell Structure, Organelles, Substance Transport In & Out of the Cell, Cell Reproduction via Mitosis Chapter 4: The Integumentary System

4	Chapter 4: The Integumentary System; <b>EXAM 1</b>
5	Chapter 5: The Skeletal System
6	Chapter 6: The Muscular System
7	<b>EXAM 2</b> Chapter 7 and Chapter 8: The Central and Peripheral Nervous Systems
8	Chapter 7 and Chapter 8: The Central and Peripheral Nervous Systems
9	Chapter 9: The Senses Chapter 10: The Endocrine System
10	Chapter 10: The Endocrine System <b>EXAM 3</b>
11	Chapter 11 and Chapter 12: Blood and The Cardiovascular System
12	Chapter 11 and Chapter 12: Blood and The Cardiovascular System Chapter 14: The Respiratory System
13	Chapter 15: The Digestive System
14	<b>Exam 4</b> Chapter 17: The Urinary System
15	Chapter 17: The Urinary System Chapter 18: The Reproductive System

**FINALS WEEK: FINAL EXAM (COMPREHENSIVE) date & time to be determined**

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## **LABORATORY**

**LABORATORY GRADE = 25% of Overall Course Grade**

1. The average of the Lab "Exercise Review Sheet" (ERS) grades plus Individual Lab Quizzes for each Lab we do = 20% of Total Lab Grade
2. Lab Practical Exams (5 of these) = 80% of Total Lab Grade

**ABSOLUTELY NO BIOLOGICAL MODELS OR DISSECTING SPECIMENS MAY BE REMOVED FROM THE LABORATORY AT ANY TIME.**

**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.