



BIOL 2404.081 Survey of Anatomy & Physiology

Course Syllabus:

Summer 2022

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

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Course Description:

4 hour credit course: Survey of Anatomy & Physiology is a single-semester survey course covering the structure and function of the human body. Major topics include cell structure and function, tissues and organ systems including neuroendocrine, integumentary, musculoskeletal, digestive, circulatory, respiratory, urinary and reproductive systems. The course cannot replace BIOL 2401 or 2402 but can be used as a preparation for BIOL 2401 or the preparation for certain certificate programs or as a non-major science elective. Some dissection is a required component of laboratory activities.

Inclusive Access: 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.

To register for your Third Party course materials, you simply need to go to the Third Party course link below and register. No access code is needed this semester. Please use your NTCC email to register to help tech support should you have any trouble in the course.

Textbook:

You have already paid for the required textbook in your tuition and fees.

Roiger & Bullock; Anatomy, Physiology, and Disease; 2nd Edition; McGraw-Hill, Publisher

Required Lab Kit: Survey of Anatomy Lab Kit # 581881 Carolina Biological Distance **Learning Lab Kit**

Your lab kit is not covered under Inclusive Access. Please order your kit as soon as possible prior to the start of the semester so you will be prepared to begin the lab activities on time. Recommended

Reading(s): Appropriate chapters in textbook as assigned.

Blackboard Website:

- I maintain a “Blackboard” website for you to obtain outlines of PowerPoint lectures, notes, videos, study aids, reviews, etc. This is also the location where grades will be posted.
- **Please do NOT use Blackboard mail to contact me. Instead, please DO use Eagle Mail to contact me outside of class.**

A&P 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 major characteristics and functions of the human cell including movement of materials and cell division
3. Describe the general structure and function of major tissues and of the integumentary system.
4. Summarize the major characteristics and functions of the skeletal system. Be able to identify the bones of the human skeleton.
5. Summarize the major characteristics and functions of skeletal, smooth and cardiac muscle. Be able to identify the superficial muscles of the human body.
6. Describe the general structure and function of the central and peripheral nervous system. 7. Summarize the general characteristics of the endocrine system.
8. Name the major organs and the general functions of the cardiovascular system.
9. Name the major organs of the respiratory system and describe the general functions.
10. Name the major organs of the digestive system and describe the general functions.
11. Name the major organs of the urinary system and describe the general functions
12. Name the major organs of the male and female reproductive systems and describe the general functions of each organ.
13. Communicate results of scientific investigations, analyze data and formulate conclusions using critical thinking and scientific problem-solving skills.

Recommended Reading(s): Appropriate chapters in textbook as assigned

Course Outline/Lecture Readings and Discussions:

Unit 1: Chapters 1, 2, 3

Unit 1 Exam

Unit 2: Chapters 4, 5, 6, 7

Unit 2 Exam

Unit 3: Chapters 8, 9, 10

Unit 3 Exam

Unit 4: Chapters 11, 12, 13

Unit 4 Exam and Lab Practical 1

Unit 5: Chapters 14, 15, 16 Exam

Final and Lab Practical 2

Evaluation/Grading Policy:

40% 5 Unit Exams

15% Connect Assignments

20% 1 comprehensive Final Exam

25% 2 lab practicals and lab exercises

Final Grades will be determined as follows:

90.0 --- 100 = A

80.0 --- 89.9 = B

70.0 --- 79.9 = C

60.0 --- 69.9 = D

59.9 and < = F

Assignments, Unit Tests, and Final Exam

- Homework is assigned using McGraw Hill CONNECT. Each assignment or quiz will be due at a specific time in the semester related to the lecture schedule.
- There are 5 unit tests. They will consist of Multiple Choice, True/False, and short answer type questions. Questions will be based over the chapters covered in that specific unit.

- There are 2 lab practical exams. They will consist of Multiple Choice, True/False, and short answer type questions. Questions will be based on the labs that you have completed up until that point.
- The final exam will consist of 100 questions. Failure to take the final exam will result in a grade of “F” for the course.
- The last day to drop the course with a grade of W is July 28, 2022. 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.

Students who cheat will be disciplined and may be removed permanently from the class.

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.