

Northeastern Technical College
BIO 112: Basic Anatomy & Physiology
Fall 2009

Instructor: Miss Mackey; Office--801A with hours as posted
921-6971 (local) or 1-800-921-7399 (toll free--ext. 6971 if using this option)
E-mail: MMackey@netc.edu (please no spam); school's website: www.netc.edu

Required Materials: 1. Hole's Essentials of Human Anatomy and Physiology, 10th edition, 2009 by Shier, Butler, and Lewis
2. access code for ARIS site (available through website)
3. E-mail address
4. safety glasses and lab aprons are available in lab upon request (no purchase required)

Course Description: This course is a basic integrated study of the structure and function of the human body.

Prerequisite: None

Attendance Policy: According to college policy, a student may miss 20% of the scheduled class periods. When a student exceeds this limit, he or she will be dropped for excessive absences. If the student initiates the withdrawal before midterm, a grade of W will be used. After midterm, the grade of W will only be used for students who are passing the course; if a student who is not passing initiates a drop after midterm, he or she will receive a WF.

If the instructor initiates the withdrawal due to excessive absenteeism, at any point during the course, a grade of F will be used for students who are dropped. If a student leaves class or lab early, the hours missed will be counted as part of the hours absences.

Three tardies will equal one absence. Please remember this when you are counting your absences. A tardy is when the student comes into class after the roll has been called. You are responsible for material covered in any class or lab you miss.

Grading Policy: Points will be taken off for spelling/grammatical errors on all graded work, except bonus questions. The following represents the percentage of each category toward the final average:

<u>Final Average</u>		<u>Grading Scale</u>
Lecture average	= 60%	93 – 100 = A
Lab average	= 20%	86 – 93 = B
Comprehensive final	= 20%	75 – 85 = C
		69 – 74 = D
		Below 69 = F

Makeup Work: If a student submits any assignment past its due date and time, it will only be accepted if a “No Questions Asked” certificate is attached to the assignment. Any late work must be made up prior to or submitted upon the student's return to class or lab. One lab test grade will be dropped, so missed lab tests may not be made up or turned in late.

Lab: Practical tests and objective tests will be used in lab as assessments, with the lowest lab test grade being dropped prior to final averaging. No makeups will be available for lab tests or lab activities. Other activities may be assigned throughout the semester to supplement lab. These activities will be averaged together as a lab test grade. There are no makeups or late submissions allowed for these brief lab data sheets.

Learning Outcomes:

The student will be able to

1. Know the body systems and how they work together to maintain life
2. Know homeostatic mechanisms and how they maintain an appropriate internal environment
3. Know the body and how it distinguishes self from nonself.

Assessment: Tests covering the assigned chapters of study will be given. No lecture test grades will be dropped. A comprehensive final will also be given. Lab tests may be given on the previous labs, and some labs may require that reports or worksheets be submitted. One lab grade will be dropped before final averaging. Outside assignments and reports will be evaluated as outlined in handouts.

Extra Credit Information: Bonus questions may be offered on lecture tests at the discretion of the instructor.

General information: There is no eating, drinking, or smoking in any science lab at NETC as indicated by posted signs. Students should also familiarize themselves with the safety procedures as posted in classrooms and/or discussed in class. Each student must wear his or her student ID at all times when on campus. Use of cell phones/beepers (including headsets) is not permitted.

Academic dishonesty: As stated in the college catalog, any student that plagiarizes or is caught cheating on any assignment in a course will receive a zero for that assignment. The documentation will be collected and reported to the Vice-President for Student Services.

Classroom Etiquette: An integral part of an education is developing a sense of integrity and responsibility toward faculty and other students. Arriving late to class, being unprepared, inappropriate talking while class is in session, using cell phones, etc. negatively reflects on you and your fellow students. Please be considerate to them and your instructor.

Disabilities Statement: Students with disabilities are encouraged to contact the Vice President for Student Services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See *College Catalog*)

BIO 112 Proposed Topical Lecture Schedule: Any necessary changes will be announced via email or in class. Some topics may be covered during lab times.

Chap. 1--Introduction to Anatomy & Physiology

Chap. 2--Chemical Basis of Life

Test #1 on Chap. 1 & 2 (estimated week of August 31)

Chap. 3--Cells

Chap. 5--Tissues

Chap. 6--Integumentary System

Test #2 on Chap. 3, 5 & 6 (estimated week of September 14)

Chap. 7--Skeletal System

Chap. 8—Muscular System

Test #3 on Chap. 7 & 8 (estimated week of October 5)

Chap. 9—Nervous System

Chapter 10—The Senses

Chapter 11—Endocrine System

Test #4 on Chap. 9, 10, & 11 (estimated week of October 19)

Chapter 12—Blood

Chapter 13—Cardiovascular System

Chapter 14—Lymphatic System

Test #5 on Chapters 12, 13, & 14 (estimated week of October 26)

Chapter 15—Digestive System

Chapter 16—Respiratory System

Test #6 on Chapters 15 and 16 (estimated week of November 9)

Chapter 17—Urinary System

Chapter 18—Water, Electrolyte, & Acid-Base Balance

Chapter 19—Reproductive Systems

Chapter 20—Pregnancy, Growth, Development, & Genetics

Test #7 on Chapters 17, 18, 19 & 20 (estimated week of November 30)

Comprehensive Final Exam (Exam Week December 7 – 10, per exam schedule announcement)

BIO 112 Proposed Lab Schedule: Any necessary changes will be announced via email or in class. Some topics may be covered in lecture periods.

<u>LAB MEETING</u>	<u>TOPICS COVERED</u>
1	Orientation; Anatomical Terminology Lab (terminology material will be on Chapter 1 lecture test)
2	Lab Safety; Lab Equipment Review
3	Testing Organic Molecules
4	Microscopy & Cells; Skin
5	Lab Test #1 (covering safety, equipment, organic molecules, & microscopy); study of skeleton
6	Muscles
7	Lab Test #2 (covering skeleton & muscles); study of nervous system & sensory organs
8	Nervous & endocrine Systems
9	Lab Test #3 (covering nervous & endocrine systems); study of cardiovascular system
10	Cardiovascular & lymphatic systems
11	Lab Test #4 ; study of digestive system
12	Respiratory system
13	Lab Test #5 (on digestive & respiratory systems); study of urinary system
14	Reproductive systems
15	Lab Test #6 (on urinary & reproductive systems); lecture notes; review for final exam if needed

Other Important Dates to Remember:

Monday, September 7: No classes for Labor Day Holiday

Wednesday, October 7: College wide midterm (last day to drop with a "W")

Tuesday, November 24 – Friday, November 27: No classes due to Thanksgiving Holiday

Thursday, December 3: last day of classes

Monday, December 7 – Thursday, December 10: Exam Week