

**NORTHEASTERN TECHNICAL COLLEGE
COURSE OUTLINE**

COURSE: Biology	PREFIX BIO	NO: 112	EFFECTIVE DATE Spring 2007	NEXT REVIEW DATE Spring 2008
TITLE: BASIC ANATOMY AND PHYSIOLOGY			CREDITS 4	CONTACTS CLASS - LAB - TOTAL 3 3 4

PREREQUISITES: None

DESCRIPTION: This course is a basic integrated study of the structure and function of the human body, for Practical Nursing students.

TEXTBOOK(S) OR ALTERNATIVE: David Shier, Jackie Butler, Ricki Lewis, Hole's Essentials of Human Anatomy and Physiology, 9th Edition, McGraw Hill 2003 (Textbook and study guide)

MATERIALS (specifying those to be purchased by student): The student must purchase the textbook, study guide and lab manual.

COLLATERAL READING:

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):

Academic Dishonesty:

Students are expected to do their own work. Please refer to the NETC student code and Grievance Procedure for a definition of academic dishonesty and an outline of the disciplinary action that may result therefrom.

Attendance:

A student may miss up to 20% of class time. If the student wishes to withdraw from the class, the student must complete a Drop/Add Form. Drop/Add Forms can be found in the Student Development Office of the College. The student will receive a grade of "W" if the work completed to date is acceptable up to midterm; a grade of "WF" will be assigned if the work is unacceptable after midterm. A student will only receive the grades of "W" or "WF" if they, the student, complete the Drop/Add Form. For excessive absences the student will receive a grade of "F". Two weeks prior to the end of the semester, no withdrawal by students.

The student is responsible for any material covered in any class or lab missed.

Tardy:

A student is considered tardy if he or she arrives for class after the roll has been taken. Three tardies will count as a class absence.

RESOURCES (A-V, persons, tools/equipment):

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and
Calendar or approximate length of time devoted to topic.

TENTATIVE CLASS SCHEDULE

Week 1

UNIT ONE-Levels of Organization

CHAPTER 1-Introduction to Human Anatomy & Physiology

WEEKS 2-3

Unit TWO-Support & Movement

CHAPTER 6-Skin & Integumentary System

CHAPTER 7-Skeletal System

CHAPTER 8-The Muscular System

WEEKS 4-5

UNIT THREE- Integration & Coordination

CHAPTER 9- Nervous System

CHAPTER 10-Somatic & Special Senses

CHAPTER 11-Endocrine System

WEEKS 6-7

UNIT FOUR-Transport

CHAPTER 12-Blood

CHAPTER 13-Cardiovascular System

CHAPTER 14-Lymphatic System & Immunity

WEEKS 8 - 10

UNIT FIVE- Absorption & Excretion

CHAPTER 15- Digestion & Nutrition

CHAPTER 16- Respiratory System

CHAPTER 17- Urinary System

CHAPTER 18- Water, Electrolyte, & Acid-Base Balance

WEEKS 11- 15

UNIT SIX- Human Life Cycle

CHAPTER 19- Reproductive System

CHAPTER 20- Pregnancy, Growth, & Development

NOTE: The instructor reserves the right to alter the material either adding to or deleting from the list, as conditions and time allow.

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 oneself.

INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES: The instructor will lecture on material in textbook, on line power point, study activities, give written and on line tests on material covered, have class discussions, assign reading assignments, use audiovisual materials, and use lab for practice/exercise.

EVALUATIVE METHODS TO APPRAISE OBJECTIVES:

Lecture Test Average	=	60%
Lab Test Average	=	20%
Final Exam	=	20%
TOTAL	=	100%

GRADING SCALE:

93 - 100	=	A
84 - 92	=	B
75 - 83	=	C
70 - 74	=	D
BELOW 69	=	F

GUIDELINES FOR BIO 112 STUDENTS:

1. All written work must have your name on it.
2. Students are expected to be fully prepared for each class.
3. Assignments are to be turned in at the assignment time. If you are unable to turn in the assignment, make arrangements with instructor.
4. In the event you must be absent on a scheduled test day, you are expected to make up the test on your first day back to school.
5. There is to be no drinking or eating in the classroom, lab, or computer area.
6. 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

disabilities and/or accommodation of needs. (See Catalog,).