



GENERAL ANATOMY AND PHYSIOLOGY

Date 12/01/2011

C - L - CR
2 - 3 - 3

COURSE NUMBER: BIO 110

PREREQUISITE(S): ENG 032, MAT 032, and RDG 032.

CO-REQUISITE(S): NONE

COURSE DESCRIPTIONS

This course is the first in a sequence of courses, including intensive coverage of the body as an integrated whole. All body systems are studied. The following topics are covered: chemical basis of life, cell, tissues, skeleton, cardiovascular, digestive, urinary, immune, respiratory systems, and integument.

TEXTBOOK(S): Biology of Humans: Concepts, Applications and Issues (2nd Edition) (The Human Biology Place Series)
by Judith Goodenough / Betty A. McGuire / Robert A. Wallace
ISBN-10: 0321524179

An Illustrated Atlas of the Skeletal Muscles, Second Edition
by Bradley S. Bowden and Joan M. Bowden
ISBN-13: 9780895826701

REFERENCE(S): None

OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT: None

METHOD OF INSTRUCTION: Concepts will be taught by lecture, discussion, demonstration, laboratory exercises, audio-visual materials, interactive computerized exercises, and case studies. Memorization is no substitute for understanding and will produce disappointing results if used alone. Electronic recorders are strongly encouraged.

<u>GRADING SYSTEM:</u>	93	-	100	=	A
	85	-	92	=	B
	77	-	84	=	C
	70	-	76	=	D
	Below	-	70	=	F

<u>GRADE</u>	4 Lecture Tests	=	40%
<u>CALCULATION</u>	2 Laboratory Tests (Practical)	=	30%
<u>METHOD:</u>	Quizzes	=	10%
	Final Exam (Comprehensive)	=	20%
	Lecture and Lab		
		=	<u>100%</u>
		=	100%

ATTENDANCE POLICY: The student is responsible for punctual and regular attendance in all classes, laboratories, clinical, practical, internships, field trips, and other required class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. When illness or other emergencies occur, the student is responsible for notifying instructors and completing missed work if approved for late submission by instructors.

CLASSROOM CONDUCT: **ACADEMIC DISHONESTY:** See Student Handbook page 98
Cell Phone: See Student Handbook pages. 76-77

- CLASS/LAB PROCEDURES:**
1. Read the laboratory exercise prior to entering the laboratory
 2. Handle all instruments and preserved specimens carefully.
 3. Observe conventional sanitary precautions.
 4. Keep work area as tidy as possible and clean up afterwards.
 5. NO eating or drinking in the laboratory.
 6. Report immediately to the instructor any injuries or other problems.
 7. Use no device without instruction and permission.

ACCOMMODATIONS: Students who need special accommodations in this class because of a documented disability should notify Student Disability Services by calling (864) 592-4818, toll-free 1-800-922-3679; via email through the SCC web site at www.sccsc.edu/resources/disabilities; or by visiting the office located in the East Building Room 30-B on the SCC Central campus. Contacting Student Disability Services early in the semester gives the College an opportunity to provide necessary support services and appropriate accommodations.

COURSE OUTCOMES & OBJECTIVES:

Upon satisfactory completion of this course, the student will be able to:

- I. Name the structures of specific human organ systems.
 1. Name the organ systems and the organs included in each.
 2. Name the kinds of tissues found in human organs.
 3. Use proper microscope technique.

- II. Locate the structures, regions, and directions of the body.
 1. Locate the major organs in each of the human organ systems.
 2. Locate tissue types within the human body.
 3. Locate cavities, linings, and regions of the body
 4. Study structural relationships, relative positions, and relative sizes among organs.

- III. Describe the organization of the body, from systems and organs through tissues, cells and molecules.
 1. Name and define levels of organization: Organism, Organ system, Organ, Tissue, Cell, Organelle, Molecule.
 2. Compare functional processes characteristic of each level of organization.

- IV. Explain the functions of the major organs.
 1. Describe the function of each organ in each organ system.
 2. Describe how organs within a system work together to achieve an overall vital function.
 3. Describe how organs of different systems work together to achieve aspects of homeostasis.