



## **BASIC ANATOMY AND PHYSIOLOGY**

Date 12/14/11

**C - L - CR**  
**3 - 3 - 4**

**COURSE NUMBER:** BIO 112

**PREREQUISITE(S):** ENG 100 or placement, MAT 101 or MAT 152 or placement, RDG 100 or placement and one of any high school/transitional lab science with a minimum grade of "C" in all courses.

**CO-REQUISITE(S):** None

**COURSE DESCRIPTION:**

This course is a basic integrated study of the structure and function of the human body. This one-semester course was developed to meet the needs of students entering the Health Sciences, AA, and/or AS programs who may benefit from a less comprehensive approach. This course provides students a slower-paced opportunity to learn the fundamental principles and terminology used in the study of anatomy and physiology. This course seeks to help students discover general principles and effective learning techniques that can be applied in subsequent anatomy and physiology courses. Major emphasis is placed on basic chemistry, organic molecules, and cell structure and function.

**COURSE OUTCOMES:**

Students should be able to demonstrate:

1. rationality, logic, and coherence, through critical thinking;
2. their ability to express themselves effectively in quantitative and qualitative terms;
3. the scientific method of inquiry;
4. their ability to access, retrieve, synthesize, and evaluate information.

**TEXTBOOK(S):**

Fundamentals of Anatomy & Physiology. Martini, Nath and Bartholomew 9th Edition. 2008 Benjamin Cummings Pub. ISBN 13-978-0-321-70933-2

**OTHER REQUIRED MATERIALS:**

None.

**METHOD OF INSTRUCTION:**

Lecture, discussion, questioning, and laboratory sessions are the primary methods. Audio-visuals, interactive software, and internet resources may also be used.

**TESTING:**

Lecture exams, laboratory practical exams, quizzes, and the final exam may include combinations of multiple choice, fill-in-the-blank, matching, and short answer questions. There are no make-ups on quizzes. Make-up exams will normally be scheduled at the end of the semester during the final exam period. All written assignments (homework, labs, quizzes, exams) will be graded and available for review within one week of submission. Lecture exams will be available during office hours for review and discussion. All lecture exams must be returned to the instructor after review.

**GRADING SYSTEM:**

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
60	-	69	=	D
Below		60	=	F

**GRADE CALCULATION METHOD:**

5 Lecture Exams	=	40%
6 Laboratory Exams	=	30%
Quiz Average	=	10%
Final exam (Comprehensive)	=	<u>20%</u>
		100%

**ATTENDANCE POLICY:**

**See Student Handbook Pages 77-80**  
**The withdrawal date for Fall semester will be 04/2/11.**

**ACADEMIC CONDUCT:****ACADEMIC DISHONESTY**

**Please See Student Handbook Page 98**

**CELLULAR PHONES, PAGERS/BEEPERS**

**Please See Student Handbook Pages 76-77**

**CLASS/LAB PROCEDURES:**

1. Read the laboratory exercise or material prior to entering the laboratory.
2. Handle all instruments, preserved specimens, and models carefully.
3. Do not use pens or pencils to point out features of models. Wooden pointers are made available.
4. Return prepared slides to the appropriate slide tray.
5. Reassemble models and return them to the appropriate place (where you got them).
6. Report damaged models, slides, or equipment to the

- instructor so that repairs can be made or more slides ordered.
7. Store microscopes properly (turned off, the slide removed, lowest power lens in place, oil objectives cleaned, and covered).
  8. Observe conventional sanitary precautions.
  9. No eating or drinking in the laboratory.
  10. Immediately report any injuries to the instructor.
  11. Do not use any device without instruction and/or 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](http://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. Explain, identify, define, describe and use the Learning Outcomes as listed for Chapter 1 of the textbook along with those provided by the instructor.
- II. Describe, compare, distinguish, explain and discuss the Learning Outcomes as listed for Chapter 2 of the textbook along with those provided by the instructor.
- III. List, describe, explain, summarize and define the Learning Outcomes as listed for Chapter 3 of the textbook along with those provided by the instructor,
- IV. Identify, discuss, describe, compare and explain the Learning Outcomes as listed for Chapter 4 of the textbook along with those provided by the instructor.
- V. Describe, explain, discuss and summarize the Learning Outcomes as listed for Chapter 5 of the textbook along with those provided by the instructor
- VI. Identify and recognize all items listed in the lab activities.
- VII. Define all of the A&P wordlist terms as provided by the instructor.