

## **FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY I – BIO 110**

**TEXT:**                    Anatomy and Physiology by Elaine Marieb

**INSTRUCTOR:**        Laura H. Ritt  
Office: Parker Center 331X  
Phone: (609) 894-9311 extension 1233  
Email: [lridd@bcc.edu](mailto:lridd@bcc.edu)

### **GRADING CRITERIA:**

100% of your grade is based on tests directly related to lecture material

- tests will be given in class and will consist of multiple choice, fill-in, matching and essay type questions
- there will be 4 exams given throughout the semester and an optional cumulative final
- no one is allowed to leave the room during an exam
- once any student has handed in their exam and left the room, no one else will be permitted to begin their exam
- it is the student's choice whether he/she wishes to take the cumulative final exam. If this final exam is completed, the student's lowest test of the 5 exams will be dropped
- if you are unable to take an exam for any reason, you will be eligible to take a make-up exam. Unless other arrangements are made, all make-up exams are given directly following the optional final exam and are in an essay format.
- it is the student's responsibility to obtain the material from missed lectures
- any student caught cheating during an exam will be taken before the student conduct committee for appropriate action

### **COURSE OBJECTIVES:**

At the completion of the course, the student will be able to:

- describe using proper terminology the overall structure/function relationship of the major body systems
- explain how homeostasis maintains body function by dynamic counterbalancing forces
- identify the major anatomical and histological features of the eleven organ systems
- critically analyze the interrelationships of the organ and organ systems
- explain the progression of structural levels from chemical compounds to organ systems

## **SYLLABUS FOR BIO 110**

(subject to change)

<b><u>TOPIC</u></b>	<b><u>CHAPTER(S) IN TEXT</u></b>
Anatomical Directions and Scientific Method	1
Cell Biology	3
DNA and RNA	3
Tissues	4
Integumentary System	5
Bone Physiology and the Skull	6,7
Bones of the Arms and Legs	7
Bone Diseases and the Spine	6,7
Nervous System Topics	11,12,13,14
The Brain	12
Special Senses	13
Muscle Physiology	9
Muscles of the Body	10