

## COURSE SYLLABUS

**COURSE:        BIO 168        ANATOMY and PHYSIOLOGY I**

**HOURS:**    Lecture:   3      Lab:   3      Shop/Clinical:   0      Credits:   4  

### **COURSE DESCRIPTION:**

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. *This course has been approved for transfer under the Comprehensive Articulation Agreement as a Pre-major/Elective course requirement.*

**PREREQUISITE(S):**    DRE 098

**COREQUISITE(S):**        None

### **TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:**

**TEXT (all sections):**

Tate, Phillip. *Seeley's Principles of Anatomy and Physiology, 2<sup>nd</sup> Edition*. Boston: McGraw-Hill, 2012. Print. ISBN 9780073378190  
Readability Level: 12

**Seated Sections Only:**

**LAB MANUAL**

Wise, Eric. *Laboratory Manual for Seely's Principles of Anatomy & Physiology, 2<sup>nd</sup> Edition*. Boston: McGraw-Hill, 2012. Print.  
ISBN: 9780077351281  
Readability Level: 10

**Online Sections Only:**

**Online students must have access to a textbook, ConnectPlus with APR and Phils and an eScience Kit. Bundles and e-texts are available.**

Connect Plus 2 semester access card with APR and Phils - 4<sup>th</sup> ed. (includes e-book). Boston: McGraw-Hill.  
ISBN 9780077351335

Laboratory Kit: eScience Labs. *Custom A & P V SKU 5126*

**Or Bundle:** Seeley's Principles of Anatomy and Physiology with Connect Plus 2 semester access code includes APR and Phils access, 4th ed. Hardback text **and** Custom A&P kit. McGraw-Hill and eScience Labs.  
ISBN 9780077471880 (Bundle) **and** SKU 5126

## **STUDENT LEARNING OUTCOMES:**

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

1. Identify the levels of organization of the human body.
2. Name the various regions and parts of the human body.
3. Evaluate the importance of the chemicals that make up the human body and explain why these chemicals are important.
4. Discuss the way cells, tissues, and organs form organ systems.
5. Outline the makeup and functions of the integumentary system and its importance in maintaining homeostasis and protection of the human body.
6. Identify and describe the various ways in which the human body is supported and the different movements it can perform as made possible by the cooperative effort of bones, joints, and muscles.
7. Explain the significance of the nerve impulse in making rapid adjustments for maintaining homeostasis.
8. Describe how the nervous system detects changes in the environment, selects a course of action, and responds to the changes.
9. Discuss the main differences between the somatic and autonomic nervous systems.
10. Explain the role of each of the five special senses in their abilities to allow one to understand and react to one's environment.
- 11.

## **SYLLABUS INFORMATION:**

The Student Learning Outcomes listed in this syllabus are those required actions that a student who successfully completes the course must be able to perform. The educational experience, however, is a two-way, interactive process involving both the student and the instructor. The student must play an active role in the learning process in order to be successful. Instructors will provide an Instructor's Syllabus at the first class meeting explaining how they measure each of the Student Learning Outcomes. A student who is unable to accomplish the outcomes will not receive a passing grade in the course.

The information in this BCC Syllabus may not be accurate beyond the current semester. Textbooks and other course materials are subject to change. Students should verify the textbooks at the first class meeting with their instructor prior to purchasing.

## **GRADING SYSTEM:**

Brunswick Community College employs a system of letter grades and corresponding quality points per grade to evaluate a student's performance in meeting the stated goals and objectives for each course. The grading system is published in the [BCC Catalog and BCC Student Handbook](#).

**ATTENDANCE POLICY:**

Each student has individual responsibility for attending class regularly and for meeting course objectives. A student is expected to attend all class meetings in a course. Rules on tardiness and leaving class early are addressed in each instructor's syllabus. Instructors are required to record absences and report excessive absenteeism to the Registrar.

If a student is absent for any reason in excess of 20 percent of the class hours, he or she is in violation of the Brunswick Community College attendance policy. Unless the student officially withdraws from the course prior to the 65 percent point of the 16 week semester (or equivalent days for courses of other duration), he or she may receive a grade of "F."

Students who receive an "EXCESSIVE ABSENTEEISM NOTICE" are advised to contact their instructors immediately to review the conditions for withdrawing from the course or for continuing the course.

**STUDENTS WITH DISABILITIES:**

Brunswick Community College complies with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act, which require that no qualified student with a disability be excluded from participation in or be denied the benefits of any services, programs or activities on the basis of his or her disability. If a student has a disability that is covered by the Americans with Disabilities Act and requires accommodations in the classroom and/or in extracurricular activities, the student must request the accommodations in writing and submit the request to the Disability Services Coordinator. Instructors will not provide accommodations without notification from the Disability Services Coordinator. Brunswick Community College will make every effort to provide reasonable accommodations.