



Alabama Community College System

BIO 202 Human Anatomy and Physiology II

I. BIO 202 Human Anatomy and Physiology II – 4 Semester Hours

II. Course Description

This course covers the structure and function of the human body. Included is the study of basic nutrition and metabolism; basic principles of fluids, electrolytes, and acid-base balance; and the endocrine, respiratory, digestive, urinary, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120-minute laboratory is required.

PREREQUISITE: BIO 201

III. Prerequisite

BIO 201 Human Anatomy and Physiology I

IV. Textbook

Due to the varied selection of quality college level textbooks, each college will select the textbook needed to meet the requirements of this course.

V. Course Objectives

By the end of the course, students will be able to

1. identify the major anatomical parts using proper terminology and spelling;
2. describe the role of fluids, electrolytes, and acid-base balance in maintaining homeostasis;
3. relate form to function;
4. interpret the physiological basis of common disorders;
5. explain the basic physiological functions and processes of the cells, tissues, and organs; and
6. explain and evaluate changes in homeostasis.

VI. Course Outline of Topics

1. Endocrine System
2. Cardiovascular System
3. Lymphatic System
4. Respiratory System
5. Urinary System
6. Digestive System
7. Reproductive System

VII. Evaluation and Assessment

Grades will be given based upon A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, and F = below 60%.

VIII. Attendance

Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for federal financial aid.

IX. Statement on Discrimination/Harassment

It is the official policy of the Alabama Community College System and entities under its control, including all Colleges, that no person shall be discriminated against on the basis of any impermissible criterion or characteristic, including, without limitation, race, color, national origin, religion, marital status, disability, sex, age, or any other protected class as defined by federal and state law. (ACCS Policies 601.02 and 800.00)

X. Americans with Disabilities

The Rehabilitation Act of 1973 (Section 504) and the *Americans with Disabilities Act of 1990* state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College.