



Alabama Community College System

BIO 104 Principles of Biology II

I. BIO 104 Principles of Biology II – 4 Semester Hours

II. Course Description

This course is an introduction to the basic ecological and evolutionary relationships of plants, fungi, and animals and a survey of plant, fungi, and animal diversity including classification, morphology, physiology, and reproduction. A 180-minute laboratory is required.

III. Prerequisite

BIO 103 Principles of Biology 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. apply the principles of scientific nomenclature and classification;
2. explain the phylogenetic relationships among plants, fungi, and animals;
3. describe the morphology, physiology, and basic reproductive patterns of plants, fungi, and animals;
4. summarize the principles of ecology; and
5. summarize the principles of evolution.

VI. Course Outline of Topics

1. Taxonomy
2. Classification
3. Cladistics
4. Mycology

5. Botany
6. Zoology
7. Ecology
8. Evolution

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.