

# BIOLOGY (BIOL)

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## **BIOL 101 - Biological Principles I (3 Credits)**

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology.

**Carolina Core:** SCI

## **BIOL 102 - Biological Principles II (3 Credits)**

Introductory survey of plant and animal development, physiology, ecology, and evolution.

**Corequisite:** BIOL 102L.

**Carolina Core:** SCI

## **BIOL 102L - Biological Principles II Laboratory (1 Credit)**

Experimental examination of structure and function of plant and animal systems, biodiversity, ecology. BIOL 101, 102, 101L and 102L must be completed prior to enrolling in 300-level or above Biology courses.

**Corequisite:** Recommended concurrent with BIOL 102.

**Carolina Core:** SCI

## **BIOL 110 - General Biology (4 Credits)**

Basic biological concepts and issues for non-biology majors. Credit may not be given for both this course and BIOL 120. Three lecture, two laboratory hours per week.

**Carolina Core:** SCI

## **BIOL 110A - General Biology (Audio-Tutorial) (1 Credit)**

Addendum to BIOL 110.

## **BIOL 200 - Plant Science (3 Credits)**

An introduction to plant science for the non-major. This course does not carry major credit, and is not designed as a Plant development, physiology, genetics, evolution, and ecology will be considered. Three lecture hours per week.

**Prerequisites:** for other biology courses.

## **BIOL 200L - Plant Science Laboratory (1 Credit)**

Laboratory exercises, demonstrations, and audio-visual supplements to BIOL 200. Not for major credit. Two hours per week.

**Prerequisite or Corequisite:** BIOL 200.

## **BIOL 206 - Genetics and Society (3 Credits)**

(Designed for non-major students.) Genetic principles, emphasizing human heredity. Relevance of recent advances in genetics. Three lecture hours per week.

**Carolina Core:** SCI

## **BIOL 243 - Human Anatomy and Physiology I (3 Credits)**

Functional anatomy and physiology of the human body, including the integumentary, skeletal, muscular, and nervous systems. Not available for biology major credit. Three lecture hours per week.

**Carolina Core:** SCI

## **BIOL 243L - Human Anatomy and Physiology Laboratory (1 Credit)**

The principles of anatomy and physiology as demonstrated by microscopic studies, animal dissection, and physiological experiments. One three-hour laboratory per week.

**Prerequisite or Corequisite:** BIOL 243.

**Carolina Core:** SCI

## **BIOL 244 - Human Anatomy and Physiology II (3 Credits)**

Functional anatomy and physiology of the human body, including the cardiovascular, endocrine, excretory, reproductive, digestive, and respiratory systems. Not available for biology major credit. Three lecture hours per week.

**Prerequisites:** BIOL 243.

**Carolina Core:** SCI

## **BIOL 244L - Human Anatomy and Physiology Laboratory (1 Credit)**

A continuation of BIOL 243L. One three-hour laboratory per week.

**Corequisite:** BIOL 244

**Carolina Core:** SCI

## **BIOL 250 - Microbiology (3 Credits)**

An introduction to bacteria and viruses, emphasizing structure, metabolism, and pathogenesis. Discussion of infectious diseases, antigen-antibody relationships, and anti-microbial agents in chemotherapy. Not available for biology major credit. Three lecture hours per week.

**Prerequisites:** College-level Biology and Chemistry.

## **BIOL 250L - Microbiology Laboratory (1 Credit)**

Not available for biology major credit. Three hours per week.

**Prerequisite or Corequisite:** BIOL 250.

## **BIOL 270 - Introduction to Environmental Biology (3 Credits)**

Basic ecological principles and the impacts of human population growth and technology. Not for major credit.

**Carolina Core:** SCI

## **BIOL 270L - Introduction to Environmental Biology Laboratory (1 Credit)**

Demonstrations, data analyses, discussions, and films relating to human ecology, resource use, and environmental impact. Not for major credit.

Two hours per week.

**Prerequisite or Corequisite:** BIOL 270.

**Carolina Core:** SCI

## **BIOL 399 - Independent Study (1-6 Credits)**

Contract approved by instructor, advisor, and department head is required for undergraduate students.

**Graduation with Leadership Distinction:** GLD: Research