

BIOLOGY (BIOL)

BIOL 101 - Biological Principles I (3 Credits)

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

Carolina Core: SCI

BIOL 101L - Biological Principles I Laboratory (1 Credit)

(Recommended concurrent with BIOL 101). Experimental examination of basic principles of cell biology, genetics and metabolism. Three hours per week.

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 120 - Human Biology (3 Credits)

Fundamental principles of human biology. Credit may not be given for both BIOL 110 and BIOL 120. Three lecture hours per week. Not for major credit.

Carolina Core: SCI

BIOL 120L - Laboratory in Human Biology (1 Credit)

Exercises dealing with basic concepts of human biology. Not for major credit.

Prerequisite or Corequisite: BIOL 120.

Carolina Core: SCI

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 208 - Our Hungry World from Malthus to McDonalds (3 Credits)

Scientific and social issues concerning the interrelationship of culture and agricultural biotic diversity and technology, climate change, resources management, food security, and human health.

Carolina Core: SCI, VSR

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