

# BIOL115C : Introduction to Ecology

Designed to give non-science majors the opportunity to learn about the interactions between the physical and biological components of the environment. The lecture will provide a broad introduction to the organismal, population, community, and ecosystem levels of ecological interaction. Instructional methods include readings, lecture/discussion, in-class applications, field observations, and field research. The lab portion will provide students with practical experience in ecological methods and the design, conduct, and analysis of ecological studies. Lab exercises are designed to correspond with major lecture topics. Exercises include lab and field studies. Student should come prepared to be outside for most labs.

**Credits** 4

**Lab/Practicum/Clinical Hours** 2

**Lecture Hours** 3

## **Prerequisites**

*Students must pass all prerequisite courses with a grade of C or higher.*

- High school biology with lab or BIOL 100C
- High school chemistry with lab or CHEM 100C
- High school algebra I or MATH 092C

BIOL100C

CHEM100C

MATH092C

## **Learning Outcomes**

Upon completion of this course, students will:

1. Explain fundamental principles of ecology.
2. Apply principles of ecology to field observations.
3. Design and conduct field-based ecological research.
4. Describe connections between the environment and human societies and how each affects the other.