

BIO 140A Environmental Biology Lab

COURSE DESCRIPTION:

Prerequisite: ENG 090 and RED 090, or DRE 098; and MAT 070 or DMA 010, 020, 030, 040, 050, 60; or satisfactory score on placement test.

Corequisite: BIO 140

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of contemporary environmental issues.

Course Hours Per Week: Lab 2, Semester Hours Credit, 1.

LEARNING OUTCOMES:

Upon completion of BIO 140, the student should be able to:

1. Discuss current environmental issues with an understanding of the basic ecological concepts involved.
2. Use an interdisciplinary approach to analyze environmental issues/problems; show knowledge of the interplay between the ecological, political, social, cultural and economic aspects of environmental problems.
3. Develop a worldview related to an understanding of current environmental issues and how global problems affect us locally.
4. Demonstrate an understanding of core ecological principles, and define scientific principles and concepts as related to environmental studies and sustainability.
5. Participate in basic field ecology research and experiments according to the scientific method.

OUTLINE OF INSTRUCTION:

- I. Scientific Method
- II.

REQUIRED TEXTBOOKS AND MATERIALS:

To be selected by Instructor/Discipline Chair.