

## BIOL 281: Ecology

Introduction to the study of organismal-environmental relationships in marine, freshwater, and terrestrial habitats. Includes aspects of physiology, behavior, genetics, biochemistry, geology, atmospheric science, and hydrology. (E)

### Course Student Learning Outcomes

1. Conduct a scientific experiment in a logical and appropriate manner, including the skills of experimental design, data collection, data analysis, and report of findings.
2. Correctly read and interpret ecological information in books and journals.
3. Demonstrate ability to explain in written or verbal form the basic concepts of ecology.
4. Process and present information and experiences in the form of lab reports, projects, and verbal presentations.
5. Demonstrate an ability to synthesize concepts, facts, and ideas into coherent, independent work.
6. Discuss and express ideas and information, applying what they have assimilated from readings, laboratory experiences, and field work.
7. Connect the overall concepts of ecology to their local environments and daily lives.

Credits: 5

Prerequisites: BIOL& 223

Program: **Biology**