



MONROE COUNTY
COMMUNITY COLLEGE

Course Outcome Summary

Standard Course

BIOL 266 Ecology

Course Information

Division	Science and Mathematics
Contact Hours	90
Theory	45
Lab Hours	45
Total Credits	4

Prerequisites

BIOL 151 or BIOL 156 and MATH 092

Course Description

This course will study the structure, function and regulation of populations, communities and ecosystems, emphasizing human activities and their ecological consequences. Students will be introduced to the types of questions asked by ecologists, the principal concepts and theories that guide ecological inquiry, and the methods that are used to answer ecological questions. Both terrestrial and aquatic systems will be considered. This course is a continuation of the previously learned ecological concepts in BIOL 151 and BIOL 156. The laboratory component part of the course will include field trips.

Course Outcomes

In order to evidence success in this course, students will be able to:

1. Explain basic ecological concepts and principles.
2. Explain the structure and function of different types of ecosystems.
3. Apply basic ecological concepts and principles to identify and interpret ecological patterns and processes observed in the region locally.
4. Explain that the fundamental unit in the study of ecology is the individual organism.
5. Describe plant and animal adaptations, through natural selection, to their environment.

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By:TR