BIOL212C : Ecology

Investigations into the biological and physical factors affecting the distribution, abundance, and adaptations of organisms. Interrelationships at the population, community, and ecosystem levels will be studied.
Credits 4
Lab/Practicum/Clinical Hours 2
Lecture Hours 3
Recommended Prerequisites
MATH 251C
Prerequisites
Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.

- Students must take BIOL112C and MATH124C (or higher-level math course).

BIOL112C
BIOL196C
MATH124C
Learning Outcomes
Upon completion of this course, students will:

1. Explain the relevance of ecology to human societies.
2. Describe the physical environment of an ecosystem.
3. Distinguish between biotic and abiotic factors and assess the flow of energy through the various trophic levels and cycling of nutrients and chemicals in an ecosystem.
4. Define the properties and dynamics of populations.
5. Evaluate the structure of an ecological community and the interactions between its members.
6. Collect and analyze data typical of current ecosystem research.