**Nebraska Wesleyan University**

# BIO 2300 Ecology and Evolution

## Catalog

2025-2026

## Course Description

An introduction to the interaction of life with the environment at the molecular, organismal through ecosystem levels, highlighting the major factors influencing evolutionary change. Topics include genetic and phenotypic variation, natural selection, adaptation, speciation, symbiosis and populations dynamics especially in light of human interference, and ecosystem structure and function. Where possible, principles of evolution and ecology will be integrated.
Three lectures per week.
One 3-hour lab per week, including field, laboratory and greenhouse work.
*Prerequisite(s): BIO 1400FYW Introduction to Biological Inquiry, CHEM 1110 Chemical Principles I , and CHEM 1120 Chemical Principles II or CHEM 2100 Organic Chemistry I .*
(Normally offered each semester.)

Archway Curriculum: Integrative Core: Humans in the Natural Environment Thread

## Course Hours

4 hours

## Departments

1. Biology