Nebraska Wesleyan University

BIO 2300 Ecology and Evolution

Catalog

2014-2015

Course Description

An introduction to the interaction of life with the environment at the molecular, organismal through ecosystem levels, hightlighting the major factors influencing evolutionary change. Topics include genetic and phenotypic variation, natural selection, adaptation, speciation, symbosis 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 1400 Introduction to Biological Inquiry, CHEM 1110 Chemical Principles I and CHEM 2100 Organic Chemistry I .
(Normally offered each semester.)

Course Hours

4 hours

Departments

1. Biology