Nebraska Wesleyan University

BIO 3160 Medical Botany

Catalog

2025-2026

Course Description

A systematic study of chemicals of plant and fungal origin that are used as poisons, hallucinogens, and pharmaceuticals in human health. This course will examine the compounds produced by plants that make medicinal effects possible and the biological mechanisms through which these effects take place in the human body. Ethnobotanical and herbal therapy perspectives in identifying new medicines will also be discussed.
Three lectures per week.
Prerequisite(s): BIO 1400FYW Introduction to Biological Inquiry, BIO 2200 Genetics and Cell Biology and BIO 2300 Ecology and Evolution or permission of the instructor.
(Normally offered alternate spring semesters.)

Archway Curriculum: Essential Connections: Writing Instructive
Archway Curriculum: Integrative Core: Human Health and Disease Thread

Course Hours

3 hours

Departments

1. Biology