**Nebraska Wesleyan University**

# BIO 3800 Molecular Genetics

## Catalog

2026-2027

## Course Description

A study of the systems, mechanisms, and methods of molecular genetics with a particular emphasis on the analysis of the genetic material--mutagenesis, replication, regulation, transcription, and translation--and its protein products and their biological function. Recombinant DNA/genetic engineering and other modern technologies will be discussed. Three lecture per week. One 3-hour lab per week.
*Prerequisite(s): BIO 1400FYW Introduction to Biological Inquiry, BIO 2200 Genetics and Cell Biology, CHEM 1110 Chemical Principles I , and CHEM 2100 Organic Chemistry I .*
(Normally offered alternate spring semesters.)

Archway Curriculum: Essential Connections: Discourse Instructive

## Course Hours

4 hours

## Departments

1. Biology