

# BIOL230N : Genetics

UNH Transfer Preference

This course covers chemical structure of genetic material, Mendelism, gene recombination, and chromosome mapping, mutation, gene expression and regulation, and recombinant DNA. Quantitative inheritance and population genetics utilizing bioinformatics for class project. Laboratory: Hands-on experience with some of the important organisms used for research in genetics (*Drosophila*, *E coli*, yeast, *C. elegans*, and plants). Investigation of fundamental genetic concepts in the laboratory, experience with transmission and molecular genetic techniques, introduction to bioinformatics, and analysis and interpretation of data.

**Class Hours** 3

**Lab Hours** 3

**Credits** 4

**Prerequisites**

ENGL101N/110N, CHEM110N/131N, BIOL105N/107N and MATH106N or approval of coordinator.