

BIO 4830 Molecular Biology

4 hours

Departments/Programs:

Biology

A study of the systems, mechanisms, and methods of molecular biology 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 and genetic engineering will be a major focus in the laboratory.

Three lectures per week.

One 3-hour lab per week.

Prerequisite(s): BIO 1400 Introduction To Biological Inquiry, BIO 2200 Genetics and Cell Biology, BIO 2300 Ecology and Evolution and CHEM 2110 Organic Chemistry II: Synthesis and Mechanisms.