

**Course:**

**BIO 283 Molecular Biology**

**4 hours**

**Majors, Minors & Degrees:**

**Majors**

Biochemistry and Molecular Biology (B.S.)

Biology (B.A.)

Biology (B.S.)

**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 160 Cell Biology, BIO 170 Genetics, and CHEM 122 Analytical and Inorganic Chemistry.*