

BG 330 - Introduction to Molecular Biology

3 Credit Hours

Biotechnology has revolutionized a wide range of scientific fields, including agriculture, medicine, conservation biology, public health, epidemiology and more. New developments in this rapidly changing field are discovered every day. In this advanced biology course, students will learn about DNA structure, replication, transcription and translation. Current topics in biotechnology, gene cloning and bioinformatics are discussed with special emphasis on human genetic disease. Critical thinking skills and thoughtful data interpretation are stressed. Virtual laboratory exercises will enable students to visualize key skills in the field of molecular biology. We will discuss, in depth, how biotechnology is improving our daily lives and our future.

Prerequisites

[BG 210](#)