

BIO 345 : Molecular Biology I

As the first module of the Molecular Biology course, BIO 345 concentrates on molecular mechanisms of genetic processes. This module explains how the flow of biological information from DNA to RNA to protein gives rise to the recognizable, inherited attributes of living organisms. It uses seminal experiments to introduce the students to basic classical and molecular genetics, and then expands on these themes to include genetic engineering and genomic approaches to these phenomena.

Credits 4

Lab Hours 1

Lecture Hours 3

Prerequisites

PBIO 112, BIO 223, CHM 112, CHM 211