

BMS 5021 : Molecular Basis of Medicine I

This course is a two-semester course that incorporates a case-based approach to investigative fundamental biomedical concepts. The objective of the course is to promote student learning of the biochemical, molecular, and cellular mechanisms underlying normal physiology and metabolism, thus providing a foundation for understanding disease processes. The course provides a foundation in cellular and molecular biology, including cell structure, cellular macromolecules, DNA and RNA structure and function, protein synthesis, and regulation of gene expression, energetics, metabolism, regulation, organization and function of cellular organelles, flow of genetic information, and the regulation of selected cell activities.

Credits 2

Prerequisites

None