

BCH 242 : Biochemistry

This course will build upon on the knowledge the students acquired from the biochemistry course in the first year. The course will lay the foundation for subsequent courses in pharmacology and pathophysiology by expanding students'92 knowledge about proteins, nucleic acids, carbohydrates, and lipids metabolism. It is designed to provide an understanding of the molecular and cellular features that constitute and regulate the central pathways in metabolism. Such knowledge will allow for an understanding of enzyme mechanisms, the therapeutic use of enzyme inhibitors, intermediary metabolism, and accordingly understand the effects of drugs on various metabolic pathways, signal transduction, and biotransformation processes. The laboratory sessions will deal with the isolation, characterization, and quantitative determination of carbohydrates, lipids and proteins.

Credits 4