

BIO 448: Cell Physiology

This course is a study of essential interrelationships of the chemical and physical aspects within the living cell in the micro and macro environment through a unified approach combining biology and chemistry. Included are a review of the molecular structures of biological molecules, bioenergetics and thermodynamic relations in terms of biochemical activity, survey of the ultrastructures, enzymes structure and function, membrane structure, the molecular biology of the gene, and the history, development, and significant moments and people in the discipline. Three hours of lecture, three hours of laboratory per week.

Credits: 4

Prerequisites: Senior classification

Co-Requisites: CHM 343

Program: **Biology**