

CHM 360: Quantum Chemistry and Spectroscopy

Introduction to the physical chemistry principles that concern the structure of individual atoms and molecules, concentrating on quantum mechanics and spectroscopy. This course will examine how the viewpoints of quantum mechanics and thermodynamics are brought together to discuss statistical thermodynamics with emphasis on the analysis of complex problems, the collection of experimental data, and the improvement of scientific communication skills. Course consists of both lecture and laboratory components.

Credits: 4

Prerequisites: CHM 220, MTH 220, and PHY 250