

CH 365 : Quantum Theory & Spectroscopy

Introduces chemistry and physics students to principles of quantum theory with applications to material and chemical systems and spectroscopy. Topics include development of quantum theory, fundamental postulates, quantum theory of simple systems, quantum theory of molecules and extended systems, application of quantum theory to spectroscopy of atoms, molecules, and extended systems. Appropriate as an introduction to quantum theory for students of physics or as a physical chemical treatment for students of chemistry.

Cross-listed between physics and chemistry.

Credits 4.0

Prerequisites

PY226, [MA 223](#), and [CH 110](#)

Semester Offered

Offered alternate fall semesters

Notes

(See PY 365.)