

Nebraska Wesleyan University

Catalog 2025-2026

## **CHEM 3520 Physical Chemistry II, Quantum Chemistry and Spectroscopy**

3 hours

Departments/Programs:

Chemistry

An introduction to quantum chemistry and an exploration of the theoretical concepts of selected spectroscopic techniques presented using a calculus-based, mathematical treatment.

Three lectures per week.

*Prerequisite(s): CHEM 3510 Physical Chemistry I, Thermodynamics and Kinetics, CHEM 3510L Physical Chemistry Laboratory and MATH 1610 Calculus II.*

(Normally offered in the spring semester of odd years.)