

CHEM 213. INTRODUCTORY PHYSICAL CHEMISTRY 1: THERMODYNAMICS.

Credits: 3

Offered by: Chemistry (Faculty of Science)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

Description

Thermodynamics. Topics include gas laws, kinetic theory of collisions, heat capacity, enthalpy, thermochemistry, bond energies, the entropy and free energy functions, absolute entropies, Maxwell relations and chemical and thermodynamic equilibrium states, phase rule and phase diagrams, ideal solutions, colligative properties, solubility, electrochemistry, Debye-Hückel Theory.

- Restriction: Not open to students who have taken or are taking CHEM 203 or CHEM 204
- Restriction(s): Not open to students who have taken or are taking CHEM 204.
- Corequisite(s): MATH 222
- Prerequisites: CHEM 110, CHEM 120 or equivalent, PHYS 102 or PHYS 142, or permission of the instructor.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

[Launch Visual Schedule Builder](#)