

**The fundamentals of thermodynamics and chemical kinetics
with applications to biomolecular systems. Thermodynamic and kinetic
control of biological processes.**

Homework 10%
3 Quizzes 30% each

CHEM 213
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This course will give an overview of physical chemistry concepts surrounding energy and apply them to relevant problems such as combustion, material properties, and batteries. We will place phenomenological observations of the world into quantitative terms that enable us to predict events and behaviors, ultimately enabling the design of modern materials and devices.

Recorded content videos with live problem solving/tutorial sessions

25% Weekly short quizzes (12, drop 2)
25% Online midterm 1 Oct 8
25% Online midterm 2 Nov 19
25% Final project: Thermodynamics and technology