

Physical Chemistry III C&CB
Spring, 2026

Instructor: T.-S. Yang
Department of Chemistry and Biochemistry, Rm 410

Office hour: Thu 11:00 ~ 12:00 am

Main Text: K.J. Laidler, J.H. Meiser, and B.C. Sanctuary: Physical Chemistry, 3rd ed., 2020. Chap. 7, 9, 10, 15, 18, 19.

Reference:

1. P. Atkins, J. De Paula, J. Keeler: Atkins' Physical Chemistry, 11th ed., 2018.
2. P. L. Houston: Chemical Kinetics and Reaction Dynamics, 2001.

Course Outline:

1. Chap 9: Chemical Kinetics I: The Basic Ideas
2. Chap 15: Statistical Mechanics
3. Chap 7: Solutions of Electrolytes
4. Chap 19: Transport Properties
5. Chap 10: Chemical Kinetics II: Composite Mechanisms
6. Chap 18: Surface Chemistry and Colloids

Midterm Exam (4/14 Tue), Final exam (6/11 Thu)

Grading will be based on 50% of the midterm and 50% of the final examinations.