
Professor: Paul Zimmerman  2000E Chemistry  paulzim@umich.edu

Faculty Office Hours: Friday 3-4PM or email me to arrange a meeting

GSI: David Rowland  david.rowland1988@gmail.com

Discussion times: M 9-10, Chemistry 1624. T 10-11, Lorch 171. Th 8-9, Chemistry A863.

Required Textbook: Atkins and de Paula, Physical Chemistry, 9th edition

Class Schedule: MWF 11-12, 1650 Chemistry

Grading: 30% homework, 20% first midterm, 20% second midterm, 30% final exam

Homework: Approximately 8 homework assignments will be given, due dates will be given with the assignment. You may work together on homework, but what you turn in must be your own work. Late assignments will be accepted up to 2 days after the deadline for ½ credit, later than 2 days no credit will be given.

Midterms: February 14th and March 28th, in class.

Final Exam: Wednesday, April 30th 4-6PM, location TBA

Course Topics (may partly change):

Classical Thermodynamics
- Properties of gases
- 1st Law of Thermodynamics
- 2nd Law of Thermodynamics
- 3rd Law of Thermodynamics
- Physical transformations
- Mixtures

Statistical thermodynamics
- Foundations of statistical mechanics
- Microcanonical ensemble
- Canonical Ensemble

Reactivity
- Chemical Equilibrium
- Kinetics
Note: Departmental policy indicates the first step in inquiring about the accuracy of a final grade should be directed to the lead instructor of the course. This initial inquiry should take place within the first fifteen University business days of the first full term following the term in which the disputed grade was issued. If, after this inquiry, the student is not satisfied with the instructor’s response, the student may choose to initiate a formal grade grievance. To initiate a formal grade grievance, the student should contact the Associate Chair of Undergraduate Studies (ACUS) of the home department of the course in question before the end of the fifth week of classes in the first full term following the term in which the disputed grade was issued.