

# Chem 260 Abbreviated Syllabus

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Class Meetings: MWF from 10:20 – 11:20  
Lab Meetings: Th from 8:30 – 11:20

**Course Goals:** Chem 260 provides an introduction to physical and analytical chemistry. Because these fields are too broad to cover in a single semester, our content-specific goals are relatively modest; these are to:

- predict the favorability of chemical reactions
- characterize the extent to which a chemical reaction occurs
- determine the final composition of a reaction mixture at equilibrium
- evaluate a reaction's temporal feasibility
- elucidate possible pathways for a chemical reaction
- study reactions quantitatively in the laboratory
- design, carry out and evaluate experiments involving chemical reactivity
- appreciate the importance of physical and analytical chemistry in other disciplines

In addition to these more content-specific goals, we have several broader goals; these are to:

- appreciate the utility of models as predictive tools
- learn to think critically about abstract ideas
- improve your skills at solving quantitative problems
- become comfortable working in

**Course Web-Site.** Many useful materials, including a detailed schedule, copies of course materials, and answer keys to worksheets, suggested problems, and exams, are available at the course's web site. The link to the site is:

<http://bit.ly/chem260>

**Course Evaluation.** Your evaluation in this course is based on three regular exams, a cumulative final exam, miscellaneous take-home assignments, and lab work.

**Official Syllabus.** A more detailed, official syllabus is available on the course's web site. You are responsible for reading and understanding the syllabus.