

Chem 260 Abbreviated Syllabus

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Course Goals: Chem 260 provides an introduction to the disciplines of physical and analytical chemistry. These fields are, of course, too broad to cover in a single semester. Our goals, therefore, are to:

- predict the favorability of chemical reactions
- characterize the extent to which a chemical reaction occurs, including the final composition of the reaction mixture
- 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 discipline-specific goals, we have some broader goals; these are to:

- appreciate the utility of developing models as predictive tools
- learn how to think critically about conceptual or abstract ideas
- improve your skills at solving problems
- gain comfort working and thinking in the laboratory
- become more adept at evaluating and processing large amounts of information
- gain experience working with others as part of a research team

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://fs6.depauw.edu:50080/~harvey/Chem%20260/index.html>

Course Evaluation. Your evaluation in this course is based on three regular exams (tentative dates are February 27th, April 2nd, and April 30th) a cumulative final exam, quizzes (both in class and lab), 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.