CHEMISTRY 1B  Winter 2003

Instructor:  Petra van Koppen


*Complete Solutions for Chemical Principles* and a *Study Guide for Chemical Principles* are also available.

Homework: Homework assignments are listed in the general syllabus. They are not to be turned in. This is a minimum list of problems that all students should do. See advice on homework below.

Mid-terms: Wednesday January 29  9 – 9:50 AM  Chem. 1179

Monday February 24  9 – 9:50 AM  Chem. 1179

In cases where your attendance is *required* at a University-sponsored event (field trips, sports, etc.), the mid-term may be taken before the scheduled time. Prior arrangements must be made, and your required absence on the day of the scheduled mid-term must be verified by a letter from your professor or coach.

**THERE WILL BE NO MAKEUP MID-TERMS AND NO MIDTERMS GIVEN AFTER THE SCHEDULED TIME.**

Quizzes: Wednesday, Jan. 22  Friday, Feb. 14  Friday, March 7

Each quiz will be 10–15 minutes long given at the end of class, problems taken directly from the homework and midterms. There will be three quizzes total and your best two will be counted. There will be no makeup quizzes.

Final Exam: Wednesday March 19  8 – 11 AM  Chem. 1179

Grading:

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<th>Midterms:</th>
<th>Quizzes</th>
<th>Final</th>
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<tbody>
<tr>
<td></td>
<td>100 points each</td>
<td>20 points</td>
<td>160 points</td>
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<tr>
<td>Points each</td>
<td>200 points</td>
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<td></td>
<td>50%</td>
<td>10% (best 2 of 3 quizzes )</td>
<td>40%</td>
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Total: 400 points 100%

Office Hours: Monday, Wednesday: 10 – 11:15 AM  or  by appointment  PSBN 3670 B

Email: petra@chem.ucsb.edu

Web site: See *Course Pages* on the Chemistry and Biochemistry Department WEBSITE: www.chem.ucsb.edu

**TIME MANAGEMENT**  Stay Organized and Focused  BALANCE WORK  FUN  EXERCISE

**BRING YOUR REG CARD OR PICTURE ID TO ALL EXAMS**
Advice:

• **Keep up with your studying day to day.** New material builds on material already presented. It is similar to learning a new language. If you keep up with the work you will be able to follow lectures and participate in class discussions. “Cramming” is not effective.

• **Focus your study.** The amount of information may seem overwhelming at times. To determine what is important, pay attention to lectures, sample exercises, homework, and the Study Guide.

• **Keep good lecture notes.** Your lecture notes tell you what your instructor believes is important. Using your lecture notes in conjunction with the text will be the best way for you to determine which material to study. Read over your notes before the next lecture and add information (in a different color pen) **ASK QUESTIONS** and explain your notes to someone else to make sure you understand them. Be prepared to answer questions at the start of every lecture.

• **Skim topics in the text before they are covered in lecture.** It will make it easier for you to take good lecture notes and participate in class discussions. **ASK QUESTIONS**

• **Focus your study.** The amount of information may seem overwhelming at times. To determine what is important, pay attention to lectures, sample exercises, homework, and the Study Guide.

• **Keep good lecture notes.** Your lecture notes tell you what your instructor believes is important. Using your lecture notes in conjunction with the text will be the best way for you to determine which material to study. Read over your notes before the next lecture and add information (in a different color pen) **ASK QUESTIONS** and explain your notes to someone else to make sure you understand them. Be prepared to answer questions at the start of every lecture.

• **Read Chapter Summaries** and make sure you understand the **Key Terms** (these are in a supplementary section in the back of your text, pages S-1 through S-46).

• **After lecture, carefully read the topics covered in class.** Pay attention to concepts and the application of these concepts demonstrated in the Examples shown in your text. Test your understanding of the Examples by working related problems in the back of the chapter.

• **Work all of the assigned problems.** Working the problems provides necessary practice in recalling and using the essential ideas of the chapter. You cannot learn by observing; you must be able to work the problems by yourself. Sufficient practice is important. If you need more practice, do more problems. Resist checking the Solutions Manual until you have solved the problem yourself. If you really get stuck on a problem, **get help from:** CLAS, another student, one of the TAs (PSBN 2653, M-F 10-2), or your instructor. **ASK QUESTIONS**

• **Studying for a Midterm or Final.** Review your notes, asking why and how as you review. Review all the examples in the text and the assigned problems. Work the review problems handed out before each of the exams. Review examples and problems in the Study Guide.

• **Problem-Solving:**

  1) Organize information given.
  2) If a reaction occurs, write the balanced equation.
  3) What is the question?
     What are the units of the unknown quantities?
     What are the units of given quantities?
     Is there a link between known and unknown quantities?
  4) What equations apply?
  5) Do calculations; keep track of units.
  6) Check your answer. Is the answer reasonable?

• **Work Problems Everyday.** The time you spend struggling with problems is often when you learn the most. Learning how to solve problems will help you in many other courses and life!

HELP: If you experience difficulty in this course for any reason, please don't hesitate to consult with me. In addition to the resources of the department, a wide range of services is available to support you in your efforts to meet the course requirements.

**Campus Learning Assistance Service:** 893-3269. CLAS helps students increase their mastery of course material through course-specific tutoring and academic skills development. Check out tutorial groups and drop-in tutoring schedules posted on our web site: www.clas.ucsb.edu. Sign up for CLAS sections at the CLAS main office, Building 477, 9 AM – 5 PM daily.

**CLAS tutors for Chem. 1B:**
Juliet Znovena  Terri Bentzinger
Dana Copeland  Sarah Clark

**Counseling & Career Services:** Offers counseling for personal & career concerns, self-help information and connections to off-campus mental health resources. 893-4411 www.counseling.ucsb.edu

**Disabled Students Program (DSP):** 893-2668; www.sa.ucsb.edu/dsp
DSP provides academic support services to eligible students with temporary and permanent disabilities. Please inform me if you require special classroom accommodations due to a disability. You must register with DSP to receive these accommodations.