GENERAL INFORMATION

INSTRUCTOR: Robert Cantor, 303 Burke

WEBSITE: All of the documents for the 10am section of Chem 6 can be found on the website:

http://www.dartmouth.edu/~chem6/10/10.html

The site contains links to pages containing the course syllabus, homework assignments and solutions, lecture notes, information about the laboratory, etc.

OFFICE HOURS (tentative): Monday, Wednesday, Thursday 1:00-2:30. If you have a conflict at those times, contact me (see below about BlitzMail policy) to make an appointment at another time. Don't wait until right before the exam to come in for help.


ADDITIONAL READING: A selection of general chemistry texts is available in Kresge Library. You may find it helpful to read appropriate sections in one or more of these on occasion, and all of them are good sources of extra problems to do and solved exercises to study. In particular, Modern University Chemistry, 2nd Edition, by Porile, was used in this class in the past and should prove the most valuable. Several copies have been placed on reserve in Kresge, and I will occasionally copy and distribute sections before lecture. Many of the additional homework problems are taken from Porile's text.

CLASS TIMES: M, W, and F, 10:00-11:05; x-hour, Th 12:00 - 12:50, all in 006 Steele. There will be four lectures per week, i.e., the x-hour is an integral part of the regular lecture sequence.

HOMEWORK: Problem-solving is crucially important! Problems will be assigned approximately weekly, and some others will be done during the lectures. If you fail to work at these on your own, you will find the exams very difficult. Homework will not be turned in or graded, but you will find it essential for mastering the material, and thus as preparation for the exams. The Solutions Manual provides detailed answers for the odd-numbered problems -- solutions to the “Additional Problems” will be posted on the web site. Please note that carefully reading the solutions, although useful, is no substitute for doing the homework yourself. It is vital that you attempt all the assigned problems without peeking at the solutions. You cannot wait until the last minute to try to master this material. If you find you are having difficulty with the problems, see me as soon as possible so that we can work together on them.

EXAMS: There will be two exams during the term in addition to the final exam that will be at a time and place announced by the Registrar. All will be closed-book, and you will need a calculator. Requests to take exams at other times will be considered only in case of documented sickness, an emergency, or a legitimate academic conflict. Midterm exam dates are as follows:

Exam 1: TUESDAY, APRIL 16, 7:00 - 10:00 PM
Exam 2: TUESDAY, MAY 7, 7:00 - 10:00 PM

LABORATORY: See the link on the website for details. The Laboratory Important Information sheet provides details about the lab. Please read it carefully. Failure to complete the laboratory portion of the course can result in failing the entire course no matter what your exam performance has been. You must purchase a copy of the lab manual at Wheelock Books before your first lab. Notebooks will be provided. Labs start Monday April 1.

BLITZMAIL POLICY: Blitzmail is very useful; it is the best way to arrange a meeting, to inform me that you will miss an important class event, etc. However, please don't ask questions that
require a scientific answer ("How do you work the third homework problem?") or questions about the lab. *Critically important blitz messages, such as notification of illness before an exam, should also be communicated by phone; if I'm not in my office you can leave a message with the secretary. You can use the Blitz short-cut "rcantor" (or "rcantor@dartmouth.edu" if you're off the BlitzMail system). My telephone extension is 6-2504.*

**GRADES:** The course grade will be based on the accumulation of points, based on your performance in the exams and in the lab, distributed approximately as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory</td>
<td>80</td>
</tr>
<tr>
<td>Exam 1</td>
<td>120</td>
</tr>
<tr>
<td>Exam 2</td>
<td>120</td>
</tr>
<tr>
<td>Final Exam</td>
<td>160</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>480</td>
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The GPA for this course has typically been in the range 2.9 to 3.1 with a median course grade of B.

**OTHER SOURCES OF HELP:** The following resources, not associated with the Chemistry Department, are available for help: Academic Skills Center Study Groups: sign up 2nd week of classes, Collis; WISP Study Sessions (for men and women); and the Tutor Clearing House of the Academic Skills Center, Collis.

**DISABILITIES:** Any student with a physical or learning disability or a chronic health problem for whom special accommodations would be helpful is strongly encouraged to contact me as soon as possible to discuss the types of assistance I might be able to offer.

**HONOR PRINCIPLE:** It is vital that you understand the role of the Dartmouth Academic Honor Principle in all aspects of this course. Please inquire if you have questions or feel you need clarification on any of the following explicit dictums of the Honor Principle for this course. In particular, you should be aware that the Honor Principle is a two-way agreement: you agree, by enrolling in Dartmouth, to uphold it, and we agree, by accepting employment on the Dartmouth Faculty, to enforce it. The link on the web-site to the Honor Principle states our duties as faculty members. Read them. We will follow them if needs be. Bottom line: a failing grade is *always* preferable to a trip before the Committee on Standards. Don't screw up.

*For this course, there are specific aspects of the Honor Principle you must keep in mind:*

**Examinations:** Any of the numerous activities normally considered cheating is a violation. Examinations are not proctored; however, I will be present from time to time during exams to answer questions that arise. Since exam graders do not have perfect records of accuracy, claims of injustice in grading will be carefully considered. *The changing of an answer followed by the return of the paper to the instructor for reconsideration is a direct violation of the Honor Principle.*

**Laboratory:** The principle of academic honor is at the very heart of experimental science. Unless permission is granted by the instructor, use of another student's laboratory data is a violation. When use of another's data is allowed, the source of the data must be indicated. Fabrication of data or alteration of your own data to secure some desired result is also a violation. In the case of experiments where two students work together and data have been recorded in one student's notebook, a copy of the data may be made in the other student's notebook with an appropriate citation to the location of the original data. Any other material in the notebook which has been copied from any source whatever must also be provided with a source citation. The laboratory report must represent your independent calculations and individual conclusions. Of course, direct copying of any portion of another student's report is a clear violation of the Honor Principle.