CHEMISTRY 105B - GENERAL CHEMISTRY
SPRING 1997

LECTURES: 9 MWF, SGM 123  11 MWF, SGM 123  12 MWF, SGM 123

LECTURERS:
Prof. Arieh Warshel  Prof. Stephen Bradforth  Prof. Mark Thompson
Office: SGM 406  SSC 702  LJS 370
Phone: (213) 740-4114  (213) 740-0461  (213) 740-6402
e-mail: warshel@invitro.usc.edu  bradfort@chem1.usc.edu  thompson@chem1.usc.edu

LABORATORY SUPERVISOR:
Dr. Elizabeth Erickson
Office: SGM 223
Phone: (213) 740-7027
e-mail: eerickso@chem1.usc.edu (for quicker response)

TEXTBOOKS: Chemistry (3rd Ed.) by Zumdahl.

Laboratory Program Packet by USC General Chemistry Program
(Purchase in SGM 204. Cost: $20.00).

Solutions Guide by Brooks, Hummel and Zumdahl (optional).

Study Guide by Keiter (optional).


INTERNET: All reserved materials for this semester will be available via the internet as well as
from the Leavey Library. Additional information such as homework assignments
and exam scores will also be posted on the Chemistry 105B web page. Point to
http://www-scf.usc.edu/~chem105b to access it. You may also reach the instructors
on the internet by electronic mail.

CALCULATOR: Required for exams. Make sure your calculator has a log key. Calculators will be
checked at the beginning of exams; programmable calculators must be "cleared"
before use during examinations.

LABORATORY: The laboratory orientation lecture will be given during the Thursday quiz sessions at
3:00 p.m. and 4:00 p.m. on January 9. You should purchase a Laboratory Packet
at SGM 204 for $20.00. (Make checks payable to USC Chemistry Department and
write your Soc. Sec. # on the check.) If you need to pay by cash, go to SGM 418
by 2:00 p.m. on January 9. This packet contains all of the experiments you will do
during the semester; bring it with you to the laboratory orientation lecture on
January 9.
Labs will begin with check-in during the second week of class, i.e., the week of January 13.

*Bring with you to lab:*
- Goggles (purchase at USC Bookstore)
- Laboratory Notebook (purchase at USC Bookstore)
- Laboratory Package (purchase at lab orientation lecture)

**ASSIGNMENTS:** Chapters 12-20 and other selected chapters will be covered this semester. Reading and problem assignments will be given during lecture. You are responsible for any announcements made in lecture and all material presented whether or not it is in the textbook.

**GRADING:**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>One-hour exams</td>
<td>3 @ 100</td>
<td>45%</td>
</tr>
<tr>
<td>Laboratory</td>
<td></td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1 @ 200</td>
<td>30%</td>
</tr>
</tbody>
</table>

An approximate letter grade will be assigned by the end of the seventh week to give you an idea of your status in the course. The letter grade you receive at mid-term is no guarantee of your final grade. Final grades will be assigned using guidelines established in previous semesters but there is no strict grading curve. Please do not ask your T.A. or course personnel to speculate on the grade that you will receive from the course as your grade can be determined only after all laboratory work and examinations are completed.

**EXAMS:**

There will be three 1-hour exams given during the semester. The material which will be announced in one or more lectures prior to the exam. The exams will be given during the quiz sessions on the days for which they are scheduled. The exams for the 9 MWF lecture will be given at 3:00 p.m.; the exams for 11 MWF and 12 MWF lectures will be given at 4:00 p.m. Room assignments will be announced. The one hour time period will be strictly enforced. **No one will be allowed to enter the exam room late or leave early.** *Examinations will be carefully monitored.*

An answer key for each exam will be posted near SGM 204 on the day after the exam. Graded exams will be returned to you during your scheduled lab or during your T.A.'s office hours. It is, therefore, very important that you learn your T.A.'s name and write it on all papers you turn in.

If you find a *substantial* grading error, please follow the procedure outlined in the attached handout on regrading.

**FINAL EXAM:** A comprehensive two-hour final exam will be given on *Thursday, May 8, 1997, 8:00-10:00 a.m.* This is the *only* time during which the final exam may be taken. Room assignment will be announced.
ABSENCES: All *unexcused* absences from an exam or laboratory will result in a zero. Individuals with excused absences will be given special consideration at the end of the semester. Absences will be excused on the basis of official university policy. To secure an excused absence, bring verification to Dr. Erickson prior to the absence, or in case of illness, immediately upon your return. All medical excuses will be verified.

OFFICE HOURS:

Prof. Arieh Warshel  
M 1-2, W 1-2  
SGM 406

Prof. Stephen Bradforth  
M 9-11  
SSC 702

Prof. Mark Thompson  
T 11-12, Th 11-12  
LJS 370

TEACHING ASSISTANTS:

The primary responsibility of your Teaching Assistant is to instruct you in safe and appropriate laboratory procedures. His or her next duty is to assist in course instruction by use of laboratory examples and problem solving exercises. Any questions regarding T.A. interactions in this course can be referred to the Laboratory Director, Dr. Erickson or to Professors Warshel, Bradforth or Thompson. You are strongly encouraged to see the T.A.'s during their office hours. Office hours for all T.A.'s will be posted in SGM 223, the Chemistry Study Center. The Study Center will be open Monday, Wednesday and Friday from 8:00 a.m. to 6:00 p.m. and Thursday from 8:00 a.m. to 2:00 p.m.

The University Learning Center (x00776) provides free Supplemental Instruction groups. If you prefer to hire a private tutor, please go to Dr. Erickson (SGM 223) for a current list.

IMPORTANT DATES TO REMEMBER

January 8  
First Day of Classes

January 9  
Mandatory Lab Orientation Lecture

January 20  
Martin Luther King Holiday

January 30  
First Hour Exam

January 31  
Last Day to Drop without a "W"

February 17  
Presidents' Day Holiday

February 27  
Second Hour Exam

February 28  
Midterm Grade Assigned

March 10-15  
Spring Break

April 3  
Third Hour Exam

April 11  
Last Day to Drop with a "W"

April 28  
Last Day of Class

May 8 8-10 a.m.  
Final Exam
POLICY ON REGRADING OF EXAMS

When an exam is submitted for regrading the entire exam will be regraded. This may result in a lower score. Once an exam has been submitted, the regrade score is the one recorded.

Reasons for submitting an exam for regrading:

1. Addition error yielding incorrect total score.
2. Lack of inclusion of score from one of the problems graded.
3. Correct answer marked incorrect.

How to submit an exam for regrading consideration:

1. Obtain a cover sheet for your exam from SGM 223. These cover sheets will be on top of the file cabinet.

2. Complete the cover sheet, stating clearly why you are submitting your paper for regrading considerations. Be sure to sign the form where indicated, acknowledging that you have not written on or altered the exam in any way. Your exam will not be regraded unless the cover sheet is signed.

Important: Please do not jeopardize your integrity by being tempted to change an answer after your exam has been graded. We periodically photocopy complete sets of exams. If you submit an altered exam for regrading, you will receive an "F" for the entire course and you will be reported to the Office of Student Conduct for an academic integrity violation.

3. Put the exam with the cover sheet attached under Dr. Erickson's door, SGM 224/225. Do not submit it to a T.A.

4. The deadline for submitting your exam paper for regrading consideration is 5:00 p.m. two weeks from the day you took the exam.