

F1403 – Fall 2002
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Course web site: <http://www.columbia.edu/itc/chemistry/f1403/>

Office Hours: Mondays and Wednesdays from 3:00 PM to 5:00 PM in 861 Chandler.

TA: Eric Knoll

Email address: eknoll@chem.columbia.edu

TA office hours: Tuesdays, 4:30 – 5:30 PM in Room 343 Havemeyer

Please email the TA first with course-related questions. If you need additional information, then email the instructor.

Required Text: Chemistry - Science of Change, Oxtoby, Freeman, Block, Fourth Edition,
Also Available: Student Solutions Manual to the text

References:

Chemistry for Scientists and Engineering, Preliminary Edition; Fine, Beall, Stuehr

Chemistry – The Central Science; Brown, LeMay, Bursten

Any other General Chemistry text that helps you.

Recitation sections

- 1) There will be two recitations a week. Both will review the same material. You need attend only one recitation a week.
- 2) . Attendance for the recitations is strongly recommended. You can expect that at least one problem on each exam and final will be written by the TA, based on what was discussed during recitation.

Recitation Times

Mondays – 4:30 to 5:30 PM

Wednesdays – 7:45 to 8:45 PM

Room – 309 Havemeyer Hall

Lectures

All lectures will be in 309 Havemeyer Hall.

Lecture will be presented using PowerPoint. Copies of the slides will be available on the course web-site

Homework

- 1) The TA will assign weekly homework assignments that will be posted on the web-site.
- 2) While homework will not be collected or graded you are strongly urged to complete the assignment
- 3) If you have problems with the homework, please see the TA during office hours or recitation, or see me during my office hours.

Exams

- 1) There will be three exams in class and a cumulative final exam

First Exam: Wednesday, October 2 from 6 PM to 7:30 PM

Second Exam: Wednesday, November 6 from 6 PM to 7:30 PM

Third Exam: Wednesday, December 4 from 6 PM to 7:30 PM

Final Exam: Monday, December 16 from 7 PM to 10 PM

2) THERE ARE NO MAKE-UPS FOR THE EXAMS.

3) Keep all copies of your graded exams till your course grade has been assigned in case you have a question about your course grade.

Grading scheme

Each of the three class exams accounts for 15% of your final grade (total 45%). The final exam, which will be cumulative, accounts for 55% of your grade.

Re-grade Policy

1) Exams will be returned to you during the lecture period.

2) If you believe an error has been made in grading your exam, drop off your exam with a note describing what you think the error is, in Room 318 Havemeyer.

3) Make a copy of your exam before you hand it in for a re-grade.

4) The first exam re-grade requests will be honored till the morning of the second exam, after which the first exam cannot be submitted for re-grading. The same is true for re-grade requests of the second exam, which will be accepted till the morning of the third, and those for the third exam till the morning of the final.

SYLLABUS FOR FALL 2002

Chapter 1	The Atomic Nature of Matter
Chapter 2	Chemical Equations and Reaction Yields
Chapter 3	Chemical Periodicity & the Formation of Simple Compounds
Chapter 4	Types of Chemical Reactions
Chapter 5	The Gaseous State
Chapter 6	Condensed Phases and Phase Transitions
Chapter 7	Chemical Equilibria
Chapter 10	Thermochemistry
Chapter 11	Spontaneous Change and Equilibrium
Chapter 12	Redox Reactions and Electrochemistry
Chapter 13	Electrochemistry and Cell Voltage (if time permits)