

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CHEMISTRY
5.112 Principles of Chemical Science
Fall 2004

This subject deals primarily with fundamental principles and concepts of chemistry. There are three lectures per week and two recitation sections devoted to discussion of assigned problems and lecture material. Three hour examinations and a regularly scheduled final examination are given.

Lectures: MWF, 1:05-1:55 pm, Room 10-250

Instructors: Professor Sylvia Ceyer, Rm 6-217, x3-4537, stceyer@mit.edu
Professor Kit Cummins, Rm 2-227, x3-5332, ccummins@mit.edu

Coordinator: Dr. Patti Christie, Rm 24-604, 324-1945, patti@mit.edu

Recitations: Each recitation section meets twice a week, on Tuesdays and Thursdays. The first recitation meets Thursday, September 9. Recitation sections are assigned by the registrar. Should a change be necessary because of a legitimate conflict, submit a request for recitation change via the class website at <http://web.mit.edu/course/5/5.112/www/Fall04/> after 10 am, Friday, September 10. No changes made by phone or email. Enrollment in each section is limited.

Rec # 1	TR10	12-102	Jeremy Ryan
Rec # 2	TR10	8-119	Tsan Chou Chen
Rec # 3	TR11	4-265	Michael Blair
Rec # 4	TR12	4-265	Glen Alliger
Rec # 5	TR12	8-119	Katherine Lovejoy
Rec # 6	TR12	12-122	Kathleen Markiewicz
Rec # 7	TR2	5-217	Nicholas Piro
Rec # 8	TR2	8-119	Katerina Woodin

Textbook: *Chemical Principles: The Quest for Insight*, Atkins and Jones, 3rd Ed.
Student Study Guide and Solutions Manual, 3rd Ed.

Lectures notes: Pick up as you enter 10-250. These notes are only available just prior to lecture. No archival copies are available. No copies are available on the website.

Forums: Bi-monthly meetings of one volunteer from each recitation section with Professors Ceyer and/or Cummins and Dr. Christie for pizza and discussion of chemistry, your other courses, life at MIT and your goals. Volunteers arranged during recitation section prior to each forum. Forums take place from 5-6 pm in 6-233 on the following dates:

Wednesday, Sept. 22

Wednesday, Oct. 4

Wednesday, Oct. 20

Monday, Nov. 1

Monday, Nov. 8

Monday, Nov. 29

Grades: 700 points total; each hour exam counts 100 points,
Final exam counts 300, and homework counts 100 points.

Hour Exams: Friday, October 8, 1 pm, closed notes and book
Wednesday, October 27, 1 pm, closed notes and book
Wednesday, November 17, 1 pm, closed notes and book
Exams are given in Walker 50-340. Attendance will be taken by your TA.
MAKE-UP EXAMS ARE NOT GIVEN. If you are ill the morning of the exam, contact Dr. Patti Christie.

Calculators: Only scientific calculators with limited memory are allowed during exam.
No graphing calculators. See list below.

Homework is due by 1 pm on the day designated on syllabus. Homework should be placed in your recitation's slotted box in room 4-273. Late problem sets are not accepted but adjustments for missed homework resulting from excused absences will be made in the final grade. Your teaching assistant should be informed if you are ill or experience other catastrophes. Answers are posted on the 5.112 web site. Complete solutions that are not in the solutions manual are posted on the bulletin board outside of the Chemistry Education Office in 2-204 at 3 pm on the due date and will remain posted for one week. Homework is graded and returned by the TA. Archival copies of problem sets are available in 4-273, the room to the right of 2-204.

WWW: Course information, syllabus, homework assignments and solutions, and daily information updates can be found at <http://web.mit.edu/course/5/5.112/www/Fall04/>.

Chemistry Education Office:
2-204

Ms. Jennifer Murphy x3-7271
recitation administrator

jlmurphy@mit.edu

Mr. Kris Grabarek x3-0909

grabarek@mit.edu

assistant director of chemistry education