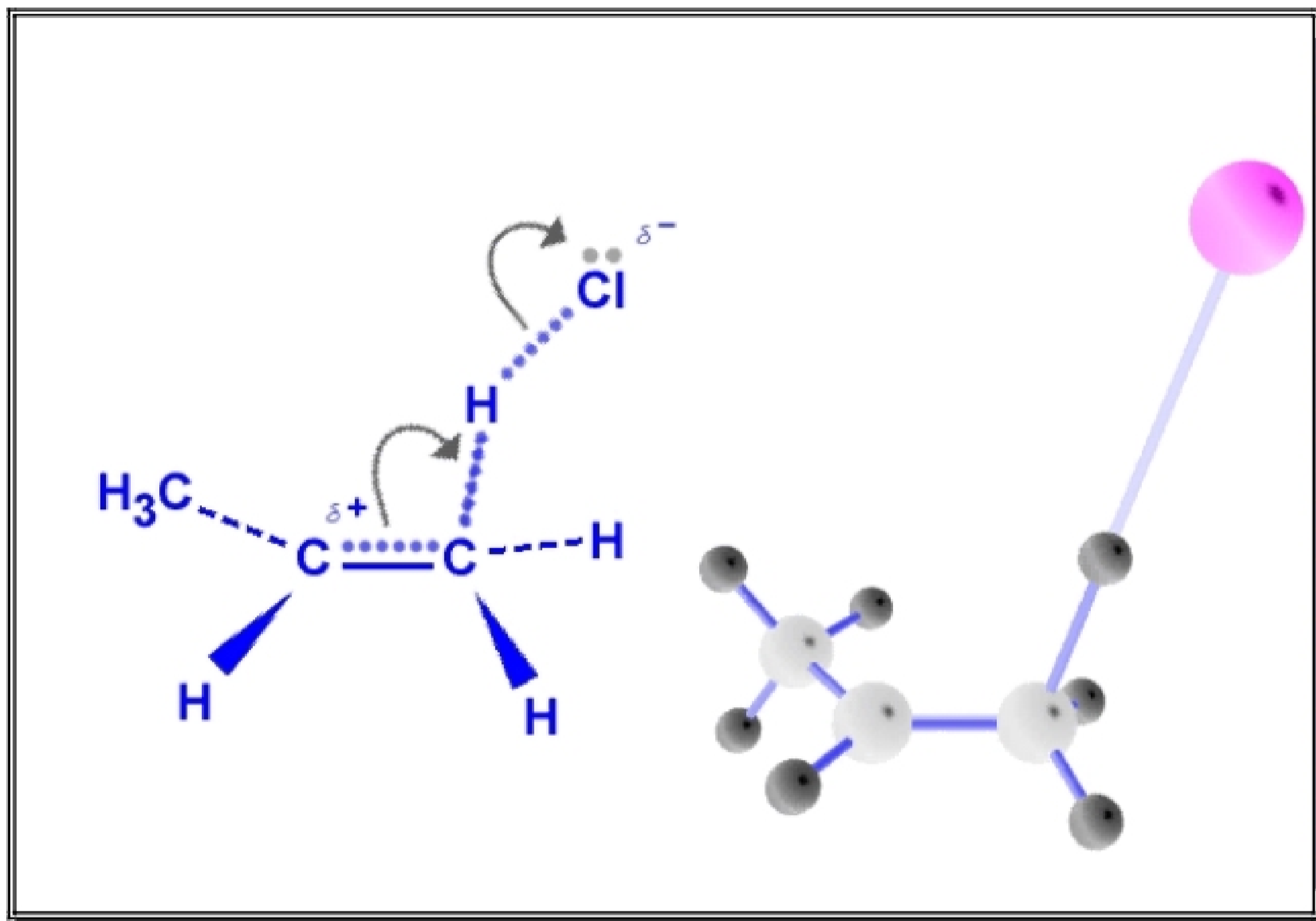


CHEMISTRY 0310 – ORGANIC CHEMISTRY 1

9:30 - 10:45 AM TH; CHVRN 12



Recitations: Mondays 4:00-4:50 PM, CHVRN 12. Scheduled (so there should not be any overlap with your other classes) and highly recommended. Starts on 1/12/04.

Ofc. Hrs: Tuesdays 4:00-5:50 PM, CHVRN 1301A. Office hours might be canceled when I am traveling out of town; on these occasions you can arrange for a separate meeting by contacting me by e-mail at pwipf@pitt.edu.

Text: *Organic Chemistry, 4th Ed. (2003)* by K. P. C. Vollhardt & N. E. Schore. Also recommended is *Pushing Electrons - A Guide for Students of Organic Chemistry, 3rd Ed. (1998)* by D. P. Weeks, International Thomson Publishing, ISBN 0030206936.

Models: Darling flexible model kit (Z10,800-6, \$ 49.20; page T497 in the 2003 Aldrich catalog) is highly recommended.

Exams: *Midterms: February 12; March 30, 200 points each*
Cumulative Final: Tuesday, April 20, 10:00-11:50 AM, 400 points

In addition to the midterms and the cumulative final exam, 2 “lightening” quizzes covering recent topics will be given during the term. Each quiz counts for 100 points. There will be no make-up exams or quizzes. You will have one (1) week from the time your quizzes or exams are handed back to submit them for regrade or comments, if you feel it is necessary (the test may be reconsidered in its entirety!). Clearly mark what should be regraded; it is not allowed to make changes or additions on the exam if you intend to submit it for regrading. Cheating in any form during or after an exam or quiz will result in a zero (0) score, and, if repeated, in an F grade for the course. Picture IDs will be examined occasionally during the hourly exams, and thoroughly at the final.

Results for exams and quizzes as well as copies of handouts and slides and other course-related information will be posted at http://ccc.chem.pitt.edu/wipf/Courses/0310_04_2.html. Please check the exam scores for accuracy (I will use the last four digits of your social security number as identification; if you object to this, please let me know).

There will be no sample exams available, but I will generally circulate handouts with typical problems during the recitations. Solutions to homework problems that are not part of the textbook collection will be posted at our course web site (see above).

Attending classes and recitations, solving homework problems, and regularly reviewing lecture notes will be the best preparation for exams, quizzes and the final exam.

Schedule of Topics:

We need to cover material at a pace of about one chapter a week. The schedule below is a rough outline of the topics I would like to cover in this course. However, your understanding of the basic principles of organic chemistry and their impact on today's science is much more important for me than a comprehensive coverage of the textbook material. I will also provide you with a short summary of important highlights at the end of each section or chapter.

Week of ...	Topics	Chapters
January 5	Structure & Bonding	1
January 12	Structure & Reactivity	2
January 19	Reactions of Alkanes	3
January 26	Cyclic Alkanes	4
February 2	Stereoisomers	5
February 9	Bimolecular Nucleophilic Substitution	6
February 16	Unimolecular Substitution & Elimination	7
February 23	Alcohols	8
March 1	Alcohols & Ethers	9
March 15	NMR	10
March 22	Alkenes & IR	11
March 29	Reactions of Alkenes	12
April 5	Reactions of Alkenes	12
April 12	Alkynes	13
April 20	Final Exam (10–11:50 AM)	1-13