Syllabus for CHM 2211-003
Organic Chemistry I
Summer Session #3, 2003

Villanova University
Department of Chemistry

TIME AND LOCATION:

Tu/Th 6:00 – 8:00 PM  Mendel 260

INSTRUCTOR: Joseph W. Bausch, Ph.D.
Office: Mendel 300C
Phone: 610-519-4872
E-mail: joseph.bausch@villanova.edu
Web: http://darwin.chem.villanova.edu/~bausch/courses.htm
AOL screen name: CHM2211

OFFICE HOURS: Before class (5:30 – 6:00 PM), after class (8:00 – 8:30 PM),
when my office door is open, or by appointment.

TEXTS


OTHER

A plastic "molecular model kit" is also recommended. The kit I
suggest is "Molecular Visions" and can be purchased at the
Chemistry Department Storeroom (Mendel 325).

COURSE GOAL

To gain an understanding of the fundamentals of organic chemistry.

KEYS TO ACHIEVING COURSE GOAL!

Attempt to study some every day in modest amounts. What you learn in
chapter 1 will be used throughout the semester and into the next semester. The
same is true for chapter 2, and so on! Thus, make every attempt to memorize only
what you must, and organize and learn the remaining material. If you have a fantastic
short-term memory you can seem to get away with cramming during the first
semester of organic; but don’t be tempted into this trap! You will likely have to take
the 2nd semester course at some point and you’ll really need to know your 1st
semester material. If you’ve just memorized everything during the first term, you’ll
likely forget it quickly and this will almost always guarantee a reduced performance
during the 2nd semester.
Believe it or not, most of my students that finish the yearlong sequence of
organic chemistry are amazed at how much they have learned and really did enjoy
the experience.
QUIZ and FINAL SCHEDULE

Final Monday, July 28 100 points
Quizzes Every Tuesday (8 total) 200 points

Note: no make-up quizzes will be given.

GRADE ASSIGNMENTS

(Based on % of points out of 300)

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TOPICS

Chapter 1: Electronic Structure and Bonding
Chapter 2: An Introduction to Organic Compounds: Nomenclature, Physical Properties, and Representation of Structure
Chapter 3: Reaction of Alkenes. Thermodynamics and Kinetics
Chapter 4: Stereochemistry
Chapter 5: Reactions of Alkynes
Chapter 6: Electron Delocalization and Resonance
Chapter 7: Reactions of Dienes
Chapter 8: Reactions of Alkanes. Radicals
Chapter 9: Reactions at an sp³ Hybridized Carbon I: Substitution Reactions of Alkyl Halides
Chapter 10: Reactions at an sp³ Hybridized Carbon II: Elimination Reactions of Alkyl Halides; Competition Between Substitution and Elimination
Chapter 11: Reactions at an sp³ Hybridized Carbon III: Substitution and Elimination Reactions of Compounds with Leaving Groups Other Than Halogen

Note: It is the policy of Villanova University to make reasonable academic accommodations for qualified individuals with disabilities. If you are a person with a disability, please make arrangements to register with Nancy Mott at the Learning Support Office (610-519-5636 or nancy.mott@villanova.edu) as soon as possible. Registration is needed in order to receive accommodations.