

FLORIDA INTERNATIONAL UNIVERSITY
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

SYLLABUS

Organic Chemistry I
CHM 2210-01: Fall 2009
MWF 8:00-9:15 a.m.
CP-145

Stanislaw F. Wnuk
CP-325
www.fiu.edu/~wnuk
phone 305/348-6195

TEXT: Solomon, T. W. G. and Fryhle C. B., *Organic Chemistry*, 9th edition. Wiley 2008

Personal response system technology "Clickers" will be used in classroom to give instructor immediate feedback about learning "curve". The solution manual and **molecular models** are highly recommended but not required.

You are responsible for learning all of material assigned from the text and the material covered in lectures. The lecture will complement assigned reading material.

The text contains many problems similar to those which will be given on the exams. The key to success in this course is to learn basic material and how to apply it to working problems.

MATERIAL ON WEB: Syllabus, lecture notes as well as typical problem sets as nongraded homeworks will be available on my personal webpage: www.fiu.edu/~wnuk under teaching icon

PREREQUISITES: A full year of General Chemistry CHM 1045 and CHM 1046 (2 semesters) with grades of C or better is prerequisite to take this course.

OFFICE HOURS: I will be available for brief discussions in my office (CP-325) at the following times:
Tuesday (11:00-12:00) and Wednesday (15:00-16:00).

If you have conflict schedule or require long discussions please make an appointment.
Review sessions before exams will be also available.

EXAMS: There will be **3 mid-term examinations** and a final. The mid-term exams will be worth **100 points each** and **lowest grade will be dropped**. There will be **no** make-up exams. Should you miss an exam, then that will be the one dropped. You are, however, expected to take **all 3** examinations.

The final will be comprehensive and will count 150 points. No papers, books, etc. will be allowed near your desk during exams. Cheating will not be tolerated.

Answers and grades will be posted as soon as possible outside my office (CP-325). If you have any questions concerning the grading, please see me immediately.

GRADES: Grades will be assigned from the total points accumulated from: the exams (final plus two mid-terms) **as compare to a possible total 360 points** (additional 10 points will be assigned based on your "clicker" responses). Expected course GPA based on standard deviation from averages for the past six years is 2.05 (± 0.2).

TENTATIVE LECTURE & EXAMS SCHEDULE

MID-TERM EXAM #1 (September 28th, Monday)

Bonding and Molecular Structure, Structure and Properties of Organic Molecule; Introduction to Organic reactions and Mechanism. Nomenclature and Conformation of Alkanes and Cycloalkanes.
(Chapters 1-4)

MID-TERM EXAM #2 (October 26th, Monday)

Stereochemistry; Alkyl Halides: Nucleophilic Substitution and Elimination; Alkenes and Alkynes
(Chapters 5-8)

MID-TERM EXAM #3 (November 25th, Wednesday)

Radical reactions, Alcohols and Ethers, Reaction of Alcohols (Chapters 10-12)

Comprehensive Final Exam determined by university-wide schedule will be held between **Monday, December 7th** and **Friday, December 12th 2010**; TIME: TBA.
(Chapters 1-12 except chapter 9 and spectroscopy in general)

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