

Organic Chemistry I

CHM 2210C, Fall 2013 (20141), Ref # 389512

Class: Room A-209/C-206 TR: 10:30 -11:50, T: 1:00 – 3:50

Instructor: **Stephen Milczanowski**
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Office hours: T: 8-10:20, 4-5; MW: 12-1;
(tentative) R: 8-10:20, 1-4

web site: <http://web.fscj.edu/milczanowski>

Course Description:

CHM 2210C is designed to introduce the general principles and theories of organic chemistry with an emphasis on classification, nomenclature, methods of preparation, characteristic reactions, stereochemistry and structure determination of organic compounds. This is the first part of a two-class sequence (2210/2211). CHM 2046 or equivalent is a prerequisite for this course.

Required: *(All items can be obtained at the campus bookstore in building B.)*

- Klein; Organic Chemistry, 2nd edition Wiley 2014, AAP. Electronic textbook with Printed Solutions Manual and Study guide. ISBN for FSCJ edition: 9781118872925
- Safety glasses, lab notebook, and glass marking pen (Sharpie Brand) for the laboratory

Attendance:

- You are responsible for all material presented in class, including announcements about course procedures. Exams, quizzes, and homework often include questions on material presented only in class, so performance on these indirectly reflects attendance. Attendance will only be taken for the first two weeks of the semester. Students who do not attend during the first two weeks of class should be removed from the class. The "FN" grade may be given immediately after the withdrawal deadline for students who have stopped attending class and are failing. An FN grade will be assigned if a student misses more than two tests including the final or fails to complete more than 3 labs.

Evaluation:

- There will be four exams in the regular semester. Each exam is worth 20% of the course grade.
- The final exam is worth 20% of the course grade. (It is mostly multiple choice.)
- The lowest grade among the 4 tests and the final will be dropped.
- The laboratory reports are worth 20% of the course grade.
- Course grades will be assigned as follows:

A: 90% - 100%	B: 80% - 89.99%	C: 70% - 79.99%
D: 60% - 69.99%	F: below 60%	NP: Not given

Incompletes will be given only if: a) at least 75% of the work is completed at the time of the request and b) the student is passing with at least a "D" at the time of the request, and c) there is a valid reason such as illness, an accident, etc. Doctor's notes are required for granting incomplete grades. Other grades such as "W" (withdrawal) and "X" (audit) may be assigned according to college policies.

MAKE-UP EXAMS: Because the lowest lab score and lowest exam score is dropped there should be no make-ups for labs or exams.

Learning Outcomes

- Explain and apply major concepts in organic chemistry including classification, nomenclature, and methods of preparation, characteristic reactions, stereochemistry and structure determination of organic compounds.
- Demonstrate knowledge of scientific method.
- Communicate scientific ideas through oral or written assignments.
- Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations.
- Demonstrate problem-solving methods in situations that are encountered outside of the classroom.
- Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials.

Chemistry Lab

Safety

- ◆ Safety goggles or glasses must be brought to every lab, and worn during lab.
- ◆ Follow safety instructions. Safety infractions will result in significant grade penalties and may result in expulsion from the lab.
- ◆ Long pants or the equivalent must be worn during lab. A lab apron is encouraged.

Before Lab:

- ◆ Read the experiment. Experiments are located at the class website and should be printed before attending lab.
- ◆ Prepare your notebook to take data. That means that you should copy into your notebook any data tables or other notes that you need to collect data. Also include the title and the purpose. Follow the guidelines in the document “Introduction and how to use the notebook”.

During Lab:

- ◆ All data taken in the laboratory must be recorded in ink in your notebook.
- ◆ Write down all observations. Be sure to include any additional comments that may be important.
- ◆ Initial and date each page.
- ◆ You must obtain your instructor's initials in your data table before you leave the lab.

Laboratory Reports:

- ◆ Lab reports are typically due at the beginning of the next laboratory period. Unless your instructor gives you a previous extension, late lab reports (up to 1 week late) will be graded with a 20% grade reduction. Labs will not be accepted more than 1 week late. There may be different rules for some labs.
- ◆ Labs are graded on a scale of 0 to 10.
- ◆ Follow the guidelines in the document “Introduction and how to use the notebook”.
- ◆ While students often work in pairs in the lab, lab reports must be written individually. Do not plagiarize.

Cell phones, beepers and other electronic devices must be turned off according to college policies. Breaches in classroom etiquette may result in grade penalties up to failure for the class. See web site for classroom etiquette. Academic dishonesty may result in a course grade of F. For rules regarding academic dishonesty look at the following web page:
http://www.fscj.edu/catalogs/2001_2002/Rules/dueproc.html or current catalog.

Student work in this class may be collected by the College for the purpose of assessing institutional effectiveness and measuring general education competencies. The artifacts collected and submitted for this purpose will be done so anonymously

DISABILITIES: Appropriate accommodations (such as note takers, extra time on tests, quiet testing, etc.) will be available to assist students with disabilities, provided written instructions are sent to the instructor by the Disabled Student Services Counselor. (R. Nicole Dyer : 646-2191)

South Campus Science Learning Center: G-200. Hours: M-R: 8 a.m.–6 p.m; F: 900 a.m.–noon

Student Assistance Program: Any FSCJ student who is experiencing personal problems that might affect him/her in or out of school can now receive free counseling through Corporate Care Works, Inc. Issues may include stress, conflict, family worries, financial/legal issues, and balancing work and home. This Student Assistance Program (SAP) is delivered within Federal Confidentiality Guidelines and helps students solve challenges in a confidential manner. If you are interested in this service, please call (904) 384-1800. For further information, please visit: <http://www.fscj.edu/mydegree/counseling-advising/student-assistance.php>

Students may **repeat a course** in an attempt to improve a grade previously earned. State Board Rule 6A-14.0301 limits such attempts to courses where a “D”, “F” or “FN” grade was earned, and limits to two the number of times a course grade may be forgiven. The official grade and the grade used for calculating the GPA shall be the last grade earned in the course. In other words, a student may not repeat a course for which they have received a “C” or better.

A student may have only three total attempts in any course, including the original grade, repeat grades and withdrawals. Upon the third attempt in a course, the student must be given an “A”, “B”, “C”, “D”, or “F”. A fourth attempt may be allowed only through a general appeals process based on extenuating circumstances. ON the 3rd attempt, out-of-state tuition is charged which is about four times the in-state tuition.