

Chemistry 230: Organic Chemistry (First Semester)

Rio Hondo College—Fall, 2006

Instructor: Mr. Matt Koutroulis

Electronic Mail: mkoutroulis@riohondo.edu

Course Web Page: <http://faculty.riohondo.edu/mkoutroulis/>

Office Hours: Mon./Wed.: 8:45-9:30am and 4:55-5:25pm. Tue./Thu.: 7:30-8:00 am. My office is Room S320B and my office phone number is (562) 692-0921 ext. 3690.

Textbooks: *Organic Chemistry, 8th Edition* by Solomons & Fryhle (required); *Study Guide/Solutions Manual* (required)

Laboratory Textbook and Materials: *Introduction to Organic Laboratory Techniques: A Micro-Scale Approach 4th Edition*, by Pavia, et. al. (required); Lab notebook with duplicate sheets (required); Safety Glasses/Goggles (required) and Lab Coat/Apron (strongly recommended)

Other Supplements: *Molecular Model Set for Organic Chemistry* (recommended); *Pushing Electrons* (recommended)

Course Description: This course is the first in a two-semester sequence addressing the fundamental principles of organic chemistry, including molecular structure and nomenclature, stereochemistry, mechanisms, and characteristic reactions of carbon-based compounds. Biologically relevant topics will also be discussed. The course is directed mainly to chemistry and life science majors, including students intending to enroll in medical, dental, and pharmacy school later in their academic career.

Prerequisites: Chemistry 130, 131, and 131L, all with a grade of “C” or better.

Grading: Your grades will be based on the following assessments: three midterms (40%), a final exam (20%), quizzes (10%) a lab final (10%), and lab reports & problem sets (20%) . I will use the following grading scale in assigning grades:

A: 88-100% B: 76-87% C: 62-75% D: 53-61% F: <53%

I may, at my option, adjust the requirements for a grade to a lower percentage, based on review of the performance of the entire class at the end of the semester (curving). However, so long as you are in a particular percentage range, you will *not* receive any grade lower than the one which corresponds to your point total (unless you do not pass the lab or do not take the final examination). In order to pass the class with a grade of “C” or higher, each of the following requirements must be met:

- You must take the final examination,
- You must score at least 65% or greater on the laboratory portion of the course.

At my option, students who miss two labs without a documented excuse may be dropped from the course or be given a grade of “F” if past the drop deadline. Please come and speak with me personally if you are concerned that attendance may become an issue. I am aware that emergencies do occur, and I can be flexible in meeting your needs if circumstances arise which impede your progress in this course.

Examinations: Three examinations will be given during this course.. Since concepts you learn earlier in the course are continuously used throughout later parts of the course, each exam is cumulative, although emphasis is always placed on the most recently covered material. It is rarely possible to make-up a missed exam. Alternative arrangements *may* be made in cases

where outstanding circumstances are present (severe illness, etc.), but must be approved by me in advance. Examination dates are indicated on the lecture schedule. Note that molecular model kits may be used on all exams. Students are not allowed to use any kind of English-translation aids, electronic or otherwise, during examinations.

Quizzes: Several quizzes will be given over the course of the semester. The exact dates will be given on the course web site. The lowest quiz score will be dropped. Missed quizzes cannot be made up under any circumstance, excused or otherwise. The quiz may be given at any time on the assigned day, including during the laboratory period. Please arrive on-time for all lectures and labs to avoid missing a quiz.

Final Examination: Monday, December 14, 9:40 am–11:40 am. The exam will be cumulative. You must take the final examination at this time; alternative arrangements will only be made in cases of serious injury to yourself or death in the immediate family. No other excuses will be accepted, including vacation travel, family commitments, etc. Please let me know immediately if you foresee any problems with this, especially conflicts with other final exams.

Homework: A list of homework problems from the textbook will be provided. While these problems are ultimately not graded for credit, they will give you greater mastery of the material and should ultimately lead to better performance on examinations and quizzes. It is in your best interests to complete these problems and to do any additional work necessary to practice your skills. Problem sets (written or web-based) will be occasionally assigned.

Academic Honesty: Cheating in Chemistry 230 will result in dire consequences. Any student found copying another's work on an assignment will receive no credit for that assignment. The same penalty applies for a student who allows another to cheat off of them. If this should happen more than once, the student will receive a grade of "F" in the class and the student will be referred to the Administration for discipline. Any student who cheats on an examination will receive a zero on that exam, and the student will be referred to the Division Dean. For clarification:, your responses to any questions in the lab reports or any explanations must be your own; copying these responses from your fellow students is considered cheating. Also, you must not copy text from any source verbatim or in a way which closely follows its wording; this is considered plagiarism. You may quote the textbook in standard MLA fashion, but any quotes should be further explained/elaborated with your own, original writing.

Important Dates for Fall, 2006

Last day to add courses: Wednesday, Sept. 6

Last day to drop courses without receiving a "W": Thursday, Sept. 28

Last day to drop courses with a "W" grade: Friday, Nov. 17

Best Wishes for a Successful Semester!