

CHM 350 Advanced Organic Chemistry (Spring 2023)

Sections 19409

Description

- 1) Students will learn and understand the theory of bonding and structure for organic molecules.
- 2) Students will learn the multi-step synthesis of complex organic molecules.
- 3) Students will learn and understand selected physical organic chemical concepts and stereochemistry concepts.
- 4) Students will *learn* and understand reaction mechanisms including concerted pericyclic reactions.
- 5) Students will explore selected reactions in depth, perform online literature searches, read research papers in selected topics in organic chemistry including its contribution in related disciplines and deliver oral presentations highlighting the research findings described in the research papers.

Instructor

Dr. Krishnaswami Raja Email: Krishnaswami.raja@csi.cuny.edu Office 6S332

Office Hours: Thu 2 -3pm (6S332) and by appointment

Text Books

Reference Textbooks

- 1) Guidebook to Mechanism in Organic Chemistry 6th Edition, by Peter Sykes, ISBN-13: 978-0582446953; ISBN-10: 0582446953
- 2) Organic Chemistry 10th Edition, by F. Carey, ISBN# 978-0073511214.

as well as a set of molecular models

Course Hours

Tue 10:10AM – 12:05PM; 6S232

Thu 10:10AM – 12:05PM; 6S232

Grading

There will be three exams given at the regular class hour and literature search based presentations made by the students during regular class hour and a review article that needs to be written and submitted based on the literature search. The presentations count 15% of the lecture grade. The exams count 55% of the lecture grade. No makeup quiz or exam will be given. Ordinarily, a missed exam will be dropped if you have a valid excuse such as a doctor's note. The final exam covers the entire semester's work and counts 30% of the lecture. No score will be given out by telephone or by e-mail. You can stop by my office during office hours to get your score.

Letter Grade

Your letter grade will be assigned according to the following cutlines:

90+ A; 85-89 A-; 80-84 B+; 75-79 B; 70-74 B-; 65-69 C+;
60-64 C; 55-59 D; 0-54 F

Attendance Policy

A student who is absent in excess of 15% of the class hour in the semester is assigned a grade of WU (withdraw unofficially).

Academic Honesty

You must work independently on your quiz or exam. Students who receive or give any help during a quiz or examination are considered cheating and will automatically receive a grade of F for the course.

The following exam rules apply in CHM 350:

1. No student is permitted to use anything other than the distributed test sheets and pens/pencils, except with the express permission of the instructor.
2. All electronic devices (including but not limited to: cellular phones, smart watches, laptop and tablet computers) must remain powered off during an exam. A student is considered cheating if he/she is found with an electronic device powered on, or using earbuds/earphones during an exam.
3. Exam questions must be answered in a legible manner, using a graphite pencil and a pen with blue or black ink. The use of a colored pencil or an ink color other than blue and black will result in a 10% penalty. Your name should be PRINTED.
4. No one is allowed to leave the classroom during an exam.
5. A student may submit his/her test 30 minutes after an exam officially starts.
6. A student will not be allowed to take an exam if the student is late for 30 minutes or more. The student will receive a zero on the exam.

Last day to drop the course

According to CSI's Spring 2023 Academic Calendar, the last day to withdraw with the grade of "W" without permission of an instructor or Chairperson is May 16 2023.

Snowday

If the college is closed on a day the class meets due to a weather condition, the lecture will meet on Blackboard. Please check our course website for announcements and instructions.

NOTE:

Not every chapter of the book will be covered to the same extent. Certain topics will be emphasized, others will not be discussed or just briefly.

Student agreement

I have read the syllabus for CHM 350 Spring 2022 and I agree to abide by all policies and requirements stated in the syllabus.

Print Name: _____

Signature: _____

Date: _____