Organic Chemistry I (CHEM 222)
Hunter College, Fall 2020
Syllabus

Instructor: Prof. Adam B. Braunschweig
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Lecture Location: BB Collaborate
Lecture Time: M/W 5:35-7:25 PM
Office Hours: by appointment (email)

Teaching Assistant: Sankarsan "Orgo Guru" Biswas
Email: sbiswas@gradcenter.cuny.edu
Recitation Times: M/W 7:35-9 PM
Recitation Location: BB Collaborate

Office Hours: F 4-7 PM
or by appointment (email)

Textbook: *Organic Chemistry*, *Third Edition,* David Klein, John Wiley & Sons
Recommended: *Organic Chemistry As a Second Language*, David Klein, John Wiley & Sons

Important Dates

First Day of Lecture	26 August
College Closed / Labor Day	7 September
No Class	28 September
Classes on Monday Schedule	29 September
College Closed	12 October
Classes on Monday Schedule	14 October
No Class / Friday Schedule	25 November
Last Day of Class	8 December
Final Exam	TBD

EXAM 1	**14 October**
EXAM 2	**16 November**
FINAL EXAM	**16 December 5:20 – 7:20p**

Course Description / Learning Objectives.

This course will cover Chapters 1 – 11, 14 of the textbook. The focus of this course is to teach structure, reactions, and mechanisms in organic chemistry. Examples of medical, biological, and industrial significance will be discussed, and other topics from the primary literature will be presented.

Course Website.

Course materials, including syllabus, announcements, course documents, exam keys, suggested additional homework, WileyPlus online homework, and exam grades will be posted on the course Blackboard site (accessible through CUNY Portal). *Please be sure that you update your email address associated with Blackboard!*

Distance Learning Accommodations.

As a result of the pandemic this year the course will be taught differently from previous years. Classes will occur through blackboard collaborate and zoom.

Prerequisites.

C or better in Chem 102, 104 and 106 (General chemistry lab and lecture courses). These courses cannot be taken in parallel.

Attendance Policy.

Attendance in lecture and recitation will not be recorded.

Religious Holidays.

If exams overlap with religious holidays, every effort will be made to accommodate the student. However, if religious holidays overlap with exams, the instructor must be notified *at least two weeks in advance*. Class notes can be downloaded from the course blackboard site.

Email Policy.

Emails will be answered within a 48 hour period, but not on the weekends. This includes before exams. Your instructors deserve a break too.

Textbook and Required Reading.

The textbook for the course is *Organic Chemistry*, *Third Edition* David Klein, Wiley Inc. A molecular model kit is strongly suggested—check out HGS Maruzen or Darling kits. Exams will be taken from material covered in class, which comes from the textbook.

Recitation Section.

The primary aim of the recitation is for problem solving. There will be no quizzes or grades given for presence or participation in section.

Lecture Notes.

Lecture notes are provided and are available on the course Blackboard website.

Homework.

Homework will be assigned through **Wiley Plus on Blackboard**. To access this content, you will need a WileyPlus registration code. Homework will account for 25% of the course grade. Late homework will receive no credit. You will be graded on your first answer to the question, and if the answer is wrong, you will not receive points for that question. Grades will not be recorded for the first HW assignment to give everyone a chance to successfully register for WileyPlus.

Grading Policies.

Exams. There will be two midterm examinations, and one final exam. The midterm exams will be worth 100 pts each, and the final will be worth 100 pts. The midterm exams will be through blackboard with zoom monitoring. Because of the nature of the course content, the exams are by necessity cumulative.

Homework. Wiley Plus Homework will be graded. The Suggested Additional HW Problems that are posted on blackboard will not be graded, but they are strongly suggested because they reflect the topics that will be used in exams. *Late homework will receive no credit.*

Regrading Policy. Mistakes will be made, and every effort will be made to remedy grading errors. To submit a regrade, please provide a written explanation of your request for the regrade with the original exam. *Regrades will not be made on any exam or quiz that was written in pencil or on any exam that has been altered.*

Missed Exams. If you know you are going to miss an exam, you must give notice *at least two weeks* in advance. If there is a legitimate reason (going on vacation early is not a valid reason) for missing the exam, attempts will be made to give the exam *prior to the scheduled exam date*. If there is a medical emergency, absence will be excused with a note from a physician. If the exam is excused for a legitimate reason, your final grade will be the average of the other exams. **If more than one exam is missed, you will receive an incomplete (NC) for the semester.**

Grade Calculation.

There will be 400 pts available from the homework (100 pts) exams (300 pts). There is no grade given for recitation or lecture attendance. It is anticipated that the average grade for this course will be in the B range.

Academic Integrity.

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures. All students should familiarize themselves with Hunter's code of academic integrity that can be found at:
http://www.hunter.cuny.edu/studentaffairs/repository/files/student-guide-academic-integrity.pdf

ADA Statement.

In compliance with the ADA and with Section 504 of the Rehabilitation Act, Hunter College is committed to ensuring educational access and accommodations for all its registered students. Hunter College's students with disabilities and medical conditions are encouraged to register with the Office of AccessABILITY for assistance and accommodation. For information and appointment contact the Office of AccessABILITY located in Room E1214 or call (212) 772-4857 /or VRS (646) 755-3129.

Hunter College Policy on Sexual Misconduct.

In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).
b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

CUNY Policy on Sexual Misconduct Link:
http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf

Further Reading.

Firstly, all introductory organic chemistry textbooks cover the same topics, so if you are looking for additional problems or perspectives, you should look at an organic chemistry textbook by a different author. Many of these are available in the library. Below is a list of suggested papers and books that can be used to advance your chemical knowledge.

More help on writing mechanisms: Grossman, *The Art of Writing Reasonable Organic Reaction Mechanisms*. Springer Verlag.

A good general textbook: Smith, M. B.; March, J. *March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure.* Wiley Interscience.

For a rigorous treatment of stereochemistry: Eliel, E. L.; Willen, S. H. *Stereochemistry of Organic Compounds.* John Wiley & Sons.

A practical guide to reactions in the lab: Furniss, B. S.; Hannaford, A. J.; Smith, P. W. G.; Tatchell, A. R.; *Vogel's Textbook of Practical Organic Chemistry. 5th Ed.* Prentice Hall.

Basically every reaction is listed with references: LaRock, R. C. *Comprehensive Organic Synthesis: A Guide to Functional Group Preparations.* Wiley VCH.