Fall 2022
Tu and Thurs (in person)
1 Zoom Session TBA
Class meeting times in person: 8 – 9:15 am (bright & early!)
102 Silver Hemmindger Hall

Instructor: Thomas Kwok
Office: 439 Waverly
Email: tjk2005@nyu.edu
Office Hours: Tuesday 11 - 12

In-person Instructors: TBA


Recommended: Maruzen, HGS Stereochemistry Molecular Model 4010 Student Set or any similar molecular modeling set. Note: On exams and quizzes models cannot be used!

A spiral bound Notebook Pencil (highly recommended) or pen attending all in person sessions.

Course Overview and Goals

Welcome! This is Organic Chemistry 1 and will emphasize bonding interactions between atoms, structural analysis of molecules eventually leading to mechanistic understanding of organic reactions and the synthesis of complex organic molecules from simple starting materials. In this course we hope to build a strong foundation for the further study in organic chemistry, medicinal chemistry, biochemistry and other fields. Please read this syllabus carefully!

Upon Completion of this Course, students should be able to:

- Demonstrate knowledge of the content presented in lecture, solving problems and the reading.
Apply course concepts toward solving challenging problems on theory and reaction mechanism

Develop strategies toward the synthesis of organic compounds from simple starting compounds.

Requirements and Grading

This course requires a great deal of time and commitment. You are required to attend all in person sessions. There will be one Zoom session during the week that will be live and recorded for those who cannot attend. It is required to review material at a convenient time that is best for you. This is a “problem solving” class that Maitland Jones developed for many years at Princeton and NYU. I have worked with Prof. Jones for past 13 years, I will be covering similar topics based from previous terms, but will incorporate and emphasize some of my topics relevant to organic chemistry. The format each week is the following, Tuesday I will generally have a lecture, I will assign reading for the week and problems from textbook posted on Brightspace through Announcements, so please pay attention to emails from me!. Thursday a problem sheet will be handed out and you will do them in groups of 4. The assignment is not graded and you will take them home after the session. Graduate and Undergrad instructors and myself will be circulating the room to help guide you through solving problems. The best way to learn organic chemistry is by putting pencil and paper start writing. After 1 hour you will have a 15 min. quiz. Course requires one more session during the week and that will be through Zoom. Suggesting Thursday @4pm? We will cover a lot of material very quickly. YOU MUST NOT FALL BEHIND! The material in this course builds upon itself and you may not understand tomorrow’s concept if you do not get today’s course material. It is important to consistently work toward mastering the course material throughout the course and well ahead of exam times! Work through the problems in the text on a consistent and regular basis, ask questions, and attend office hours!

The course grade for CHEM 225 will be composed of the following:

<table>
<thead>
<tr>
<th>Graded Item</th>
<th>% of Final Grade</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Two Best Midterm Exams (3 exams total)</td>
<td>40%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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<tr>
<td>Graded Item</td>
<td>% of Final Grade</td>
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<tr>
<td>Laboratory Grade</td>
<td>25%</td>
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**Exams and Quizzes:** There will be ~10 quizzes offered throughout the course and 2 lowest scores will be dropped. *No makeup quizzes and will be considered dropped score(s)!*

**Regrade Requests:** Exams may be submitted for a regrade request no later than three (3) days after the graded exam has been made available to the student. Please see the “Regrade Request Form” posted on the Brightspace web site. Note that if an exam is submitted for a regrade the entire exam will be regraded, which means that the score may go up or down. Any alterations made to an exam submitted for a regrade will be considered a violation of Academic Honesty and will be dealt with accordingly (see next section).

**Academic Honesty:** It is expected that all students are aware of their responsibilities to act honorably and to not cheat. All quizzes and exams must be completed independently. Exams submitted for regrade requests must not be altered in anyway. Students are not permitted to work together on exams and quizzes. Unless otherwise stated, students are not permitted to use any resources during exams and quizzes including but not limited to textbooks, sources on the internet, or any other individual or entity. Students caught cheating on exams or quizzes will receive an F for the course and a letter will be sent to the dean.

**Laboratory:** The laboratory score will count for 25% of the course grade. However, you must pass the laboratory course with a score of 55% or greater in order to be eligible to pass the course, regardless of your performance in lecture. Details of the requirements for the laboratory portion of the course can be found in the CHEM 225 Laboratory Syllabus.

**NYU Brightspace:** All announcements and course information will be posted on the NYU Brightspace course site. Recommended problems (not to be turned in or graded) will also be posted on NYU Classes.
**Grading:** Tentative Grading Schedule:

<table>
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<tr>
<th>Letter Grade</th>
<th>Percent</th>
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<tr>
<td>A and A-</td>
<td>&gt;80%</td>
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<tr>
<td>B+, B, and B-</td>
<td>62-79%</td>
</tr>
<tr>
<td>C+ and C</td>
<td>50-61%</td>
</tr>
<tr>
<td>D</td>
<td>40-49%</td>
</tr>
<tr>
<td>F</td>
<td>&lt;40%</td>
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Please note that no grading curve will be used for this course, which means that (1) there is no preset number of A’s, B’s etc that will be given and (2) exams will not be rescaled to some preset average. Students are not competing for grades in this class. Instead, students are highly encourage to work together to learn the course material. Working in groups (albeit virtually) will give students the opportunity to discuss course concepts with each other and provide an opportunity to explain concepts to peers. One of the best ways to learn and test one’s knowledge of a subject is to teach it. Work on the problems in the textbook and avoid looking at the Solutions Manual until you have put forth the effort needed to solve them. Students are highly encouraged to contact the course instructor or any of the recitation leaders if you have any questions about the course material. We are here to help!

**Resources**

Databases, journal articles, and more: [Bobst Library](library.nyu.edu)
- **Assistance with strengthening your writing:** [NYU Writing Center](nyu.mywconline.com)
- **Obtain 24/7 technology assistance:** [IT Help Desk](nyu.edu/it/servicedesk)

**Disability Disclosure Statement**

Students requesting academic accommodations are advised to reach out to the Moses Center for Students with Disabilities as early as possible in the semester for assistance.

NYU’s Henry and Lucy Moses Center for Students with Disabilities
Telephone: 212-998-4980
Website: [http://www.nyu.edu/csd](http://www.nyu.edu/csd)
Email: mosecsd@nyu.edu