

CHEM 272 – Organic Chemistry I (Syllabus)

Spring term, 1/11 – 5/10, 2021 M, W, F 10:30 to 10:20AM, CRN 90594, 94306, 94307, 94308 sections 001-004.

Prerequisite: Chem 162 (C grade or better)

Instructor: **Dr. Jeff Romine**

Office: 321A Bilger Hall

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Text: “Organic Chemistry” 3rd Edition by David Klein, Wiley (required).

Access to **WileyPlus** (required): Homework is assigned and graded online using the WileyPlus system:

Two options (UH Manoa Bookstore):

a) printed version & access code to WileyPlus ISBN: 9781119340577

b) access code to WileyPlus (only) ISBN: 9781119340515

Note: An access code to WileyPlus includes an e-textbook.

Course Description: Online instruction will be conducted on Zoom, synchronously, during the scheduled course times, along with intermittent lectures posted on YouTube. CHEM 272 covers chapters 1 through 12. The intent is for students to gain a basic understanding of organic chemistry in preparation for CHEM 273. Students are expected to attend the lectures. There is an optional 4th hour recitation. You will receive a separate email with more information.

Exam Schedule:

Feb 5 (Fri) Chapters 1 – 3; Midterm 1 (150 pts)

March 5 (Fri) Chapters 4 – 6; Midterm 2 (150 pts)

April 9 (Fri) Chapters 7 – 9; Midterm 3 (150 pts)

May 10 (Mon) Chapters 10 – 12; Final exam (200 pts)

Exam Format:

It is presently anticipated that exams will be administered via the WileyPlus system. Students will be sent an exam protocol and a Zoom link prior to the exam dates. Midterm exams will begin at 10:30 AM and end at 11:20 AM. The department may shift to in-person exams for students living on campus. There is also a possibility that students will be required to take exams via an online proctoring service.

Zoom

Exams will be proctored in Zoom by teaching assistants and the course instructor. All students must have a functioning webcam. A few minutes before the start of each exam students must log into a Zoom session and share their screen. Chromebooks cannot be used for exams. The sessions may or may not be recorded.

Web Cam

All students must have a working webcam set up on their laptop or desktop computer. Exams cannot be taken with phones or tablets.

Recitation

Students may link into an open Zoom session (according to class section) and ask for additional assistance regarding course concepts and solving problems. Tutoring is available at the Emporium (to be posted on the course resource page).

Office Hours

Recitation and Tutoring are offered by the department for students needing assistance with the material. A private appointment may be scheduled with the course Instructor in order to discuss grades and/or other course related matters.

Homework (60 points)

Online homework will be assigned along with due dates in the WileyPlus system. There is a penalty for late submissions. Twelve homework assignments ranging from 25 to 35 points per chapter will be scored on a percentage basis. At 60 points total, each chapter is worth 5 points and in total contributes ~ 10% toward the total grade. There is a deduction for late assignments, and no credit will be applied to homework more than 1 week late, or 1 day late on the final assignment. The primary aim of homework is for students to apply the material, getting practice, and in turn receiving an assessment of where additional study effort is needed.

Final grades will be determined after dropping the lowest midterm, averaging, and determining %. Total possible: 450 (three exams) – 150 (dropped exam) = 300 (midterms) + 200 (final exam) + 60 (homework) = 560 points

[%: A+ 94-100; A 89-93; A- 84-88; B+ 79-83; B 74-78; B- 69-73; C+ 64-68; C 59-63; C- 54-58; D+ 49-53; D 44-48; D- 39-43; F 0-38].

Academic Misconduct: Students are expected to meet academic standards, conducting themselves maturely and respecting the academic community at UH. The primary objective for students enrolled in university courses is NOT to obtain high grades, but to master the material. Your grades reflect how well you have met this objective and provide you with a means of assessment. Do you need more study? Do you need tutorial help? Should you change your major? Your grades assist you in making these decisions. Academic dishonesty, as in cheating, renders your grades a meaningless tool for this important assessment process.

Professionalism: It is important to know boundaries. It is okay to inquire about a particular score or grading mark for the sake of clarification, which should not happen often. Occasionally, mistakes do happen and they can be corrected. It is altogether another thing to plead for points, and to do this often would certainly reflect poorly upon you. It is great when students try hard and want to be rewarded for their effort, but expend your effort by learning the material well.

Makeup Exams: Timeliness is of the essence. In order that all students be given consistent treatment, exams must be taken on the assigned test date - plan and prioritize your activities accordingly. Your lowest exam will be dropped. This allows you to miss one exam due to illness or family emergency without affecting your grade.

Disabilities: Students with conditions requiring test accommodations are to contact the KOKUA Program (the Office for Students with Disabilities). KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in Room 013 of the Queen Lili'uokalani Center for Student Services.

Learning tips: The lecture material constitutes the course. In order to facilitate thoughtful contemplation of the material, I plan to post my slides before each lecture. My suggestion is to print them and write your notes right on the slides. By carefully listening to lectures students glean a first exposure to the material. The lecture is then augmented by a careful reading of each chapter, doing the homework assignments, and reviewing the material before exams.

Problems: There is no substitute for problem solving. It is indispensable to learning organic chemistry. When solving problems, my suggestion is that you attempt the optional practice problems first without reference to answer keys. This is the best way to sharpen critical thinking skills. However, this implies that the material must be fresh in your mind, and it will be when working on the problems shortly after hearing the lecture and reading the chapter. Once you are comfortable with the material, then work through the graded problem set. It is good to spend time writing out structures and reagents, drawing mechanism, and thinking through the principles at hand. If you do not acquire an ease with drawing structures you will find it more difficult when called upon to do so for an exam. Pencil and paper are valuable implements. Allowing yourself to fall behind won't favor the 'spending of time' writing out structures and mastering mechanisms. This will diminish your learning experience. Summer sessions are fast paced. It is important to keep up.