CHEM 272 – Organic Chemistry I (Syllabus)

Prerequisite: Chem 162 (C grade or better)

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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.

www.wileyplus.com/class/777218

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. The optional 4th hour recitation will be held on Zoom, 5:30 – 6:20 PM according to your section.

Exam Schedule:
  Sept 18 (Fri) Chapters 1 – 3; Midterm 1 (150 pts)
  Oct 14 (Wed) Chapters 4 – 6; Midterm 2 (150 pts)
  Nov 13 (Fri) Chapters 7 – 9; Midterm 3 (150 pts)
  Dec 14 (Mon) Chapters 10 – 12; Final exam (200 pts)

Exam Format:

It is presently anticipated that exams will be administered via the WileyPlus or Laulima online system. Students will be sent an exam protocol and a Zoom link prior to the exam dates. All exams will begin at 9:30 AM and end at 10:20 AM. The department may shift to in-person exams for students living on campus; requiring off campus student to take exams via an online proctoring service (ProctorU; https://www.proctoru.com/).
**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; 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.

Additionally, students may opt for a private appointment (by email) with the course Instructor in order to discuss their grades and/or other course related matters.

**Homework (60 points)**

Online homework is assigned and due dates are listed in the WileyPlus system. There is a penalty for late submissions. Twelve homework assignments ranging from 35 to 50 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. 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.

**Learning tips:** The lecture material constitutes the course. In order to facilitate thoughtful contemplation of the material, I plan to distribute my slides along with the posted lectures. 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. About five to ten percent of material is not drawn from the book.

**Problems:** There is no substitute for problem solving. It is indispensable to learning organic chemistry. When solving problems, my strong suggestion is that you attempt them 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. 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.