Syllabus for CHEM 272 – Organic Chemistry

Spring 2013, MWF, 8:30 am – 9:20 am, Physical Science 217

Instructor: Professor P. Williams
Office: Bilger Hall, 239A or 254A
Office hours: Wednesday 11am-Noon & Friday 1-2 pm
Email: philipwi@hawaii.edu
Phone: 956-5720

Prequisite: CHEM 162, 171 or 181A. (C grade or better)

Optional: Student Study Guide/Solutions Manual
David Klein's "Organic Chemistry As A Second Language"
(This book is not in the bookstore and will have to be ordered on-line)

Supplemental material: Molecular models (can be purchased at the UH bookstore). Any molecular model for organic compounds will do. They are highly recommended in order to help you visualize molecules in three dimensions.

Topics: Ch 1-15 - Chemical bond theory, acid-base reactions, functional groups, alkanes, stereochemistry, organic reactions, nucleophilic substitutions, eliminations, oxidations and reductions, chemical reactivity of alcohols, ethers, epoxides, alkenes, alkynes. Modern techniques for chemical characterization will also be covered time permitting (MS, IR, UV, and NMR).

Exams:

<table>
<thead>
<tr>
<th>Midterm Exams:</th>
<th>Tentative Material</th>
<th>Ch.</th>
<th>Score</th>
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</thead>
<tbody>
<tr>
<td>Feb. 4 (In class)</td>
<td>Tentative Material</td>
<td>1-3</td>
<td>100 points</td>
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<td>Feb. 25</td>
<td>Tentative Material</td>
<td>1-6</td>
<td>100 points</td>
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<tr>
<td>March 18</td>
<td>Tentative Material</td>
<td>1-9</td>
<td>100 points</td>
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<td>Apr. 15</td>
<td>Tentative Material</td>
<td>1-12</td>
<td>100 points</td>
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Final Exam: Monday May 6, 7:30am – 9:30 am – Phys. Sci 217 (200 points)

On-line Homework/ Extra Credit: On-line homework will be assigned for each chapter, which must be completed by the indicated deadlines. Student who complete all of the assigned on-line homework modules over the course of the semester will earn 7% extra credit applied to their final COURSE grade. This credit applies only to completion of the ON-LINE Homework.

To register for the assigned homework in Chem 272 visit:

http://connect.mcgraw-hill.com/class/p_williams_sp_2013

Semester grade: Final grades will be determined from the average of the raw scores. Consistent with the Academic Catalog, the following tentative scale will be used:

- A+ 90-100;
- B+ 75-79;
- C+ 60-64;
- D+ 45-49;
- F 29-0
Tutoring: Students are encouraged to make use of the Organic chemistry tutors in the Learning Emporium (Bilger Addition 209) available from about 9 AM to 5 PM most weekdays. The schedule can be found at go to [http://manoa.hawaii.edu/chem/](http://manoa.hawaii.edu/chem/) and click on “Chemistry Tutorial Room Schedule” at the bottom left. Scroll down to the organic chemistry listings.

Code of Conduct: Academic honesty policies can be found at the following website: [http://www.studentaffairs.manoa.hawaii.edu/policies/](http://www.studentaffairs.manoa.hawaii.edu/policies/). Students are expected to familiarize themselves with these rules. *Any student caught violating the policies on plagiarism or cheating will receive a grade of an “F” in the course.*

Disabilities: The University of Hawaii is an equal opportunity/affirmative action institution, dedicated to teaching all students and reaching all learners. It is our commitment to make our lectures and classrooms accessible to all students. If you have, or think you might have, a disability and have not voluntarily disclosed its nature and the support you need, you are invited to contact the UH KOKUA Program ([http://www.hawaii.edu/kokua/](http://www.hawaii.edu/kokua/)) or (808) 956-7511, or talk with the instructor in order to get any accommodation you might need to take the course. This information will be kept confidential. Please do this as early in the course as possible, as only student who make arrangements though Kokua are eligible for accommodations.

Other Policies: • There are no make up exams. Any missed exam will be considered a zero point exam.
• Students should inform the instructor for any prearranged professional trips (conferences or varsity sports) at the beginning of the semester
• Bring your student ID to all exams