

CHEM 273 – ORGANIC CHEMISTRY II - SYLLABUS

Instructor: Dr. Jakub Hyvl

Contact: hyvl@hawaii.edu; (808) 956-7665

Office: Bilger Addition 404

Catalog info: Organic Chemistry II (CHEM 273) is a 3-credit hour course

CRN: **80295**

Requirement: a grade of "C" (not "C-") or better in CHEM 272 is required

Time: MWF 10:30-11:20 am

Room: Bilger Hall 150

Course goals: The course is designed so that the student can develop a basic understanding of organic chemistry reactions and spectroscopy thereby laying a foundation for further study in the field and closely related disciplines.

Office hours: MW 11:30-12:30 am (and by appointment)

Learning Emporium:

Look online for specific Chemistry Tutoring Schedule:

<http://uhnatsci.org/emporium/tutorschedules.php>

Bilger Addition 209

Required Materials:

- 1) **textbook:** Organic Chemistry, 3rd Edition, David Klein
- 2) **access code** to WileyPLUS

for 1) & 2) you have **two options** (both available in UH Manoa Bookstore):

- a) printed version & access code (to WileyPLUS) ISBN: 9781119340577
- b) access code (to WileyPLUS) only ISBN: 9781119340515

Wiley PLUS includes e-textbook and online homework system:

www.wileyplus.com/class/745202

- 3) **iClicker** for in-class participation credit. PLEASE REFER TO iCLICKER REGISTRATION INSTRUCTIONS FOR MORE DETAILS.

Recommended: A Molecular Model Kit for OChem: ISBN: 9785138210002

Point	Exams/HW/iClicker	Points
Breakdown:	4 midterm exams (100 points each, 1 drop)	300
	Online Homework (5 points each, one HW for each chapter, two HWs are comprehensive)	65
	Comprehensive Final Exam	200
	In Class Participation with iClicker (1p per class, except first two classes (01/13 and 01/15) and midterms)	35
	Total	600

Homework: We will be using the WileyPLUS system for our online assignments. It will be graded with 5 pts for each HW. To access the homework on-line, go to:

www.wileyplus.com/class/745202

You will need an access code from Wiley to access WileyPLUS; the code comes with new book, or can be purchased separately in UHM Bookstore (*vide supra*).

In WileyPlus, you need to register with your full name as it appears in Lualima, otherwise you will not receive your pts.

Homework is due on various days and times; you are responsible for submitting your homework on time. **No late homework will be accepted.**

Please see the flyer on Lualima>Resources for how to correctly register for WileyPLUS class. There is an abundance of homework problems to practice for each chapter. There is a **maximum of 5 points** for each assignment; points will be **normalized** to 5 points if the WileyPlus assignment has more than 5 pts.

NO EXTENSIONS ON DUE DATES WILL BE GIVEN!

Exams You are allowed to bring the molecular model kits. Calculators are not allowed. Periodic table will be provided. Bring your UH ID.

To correct any grading errors and claim points, the exams need to be written by **non-erasable pens**. Also, right to regrade the entire exam is reserved, which may result in either an increase or a decrease in your grade. The corrections need to be done **within two weeks** after the exam was taken. Instructor reserves the right to take copy of the exams after grading.

Midterms There will be four 100-point midterm exams. The exams will cover everything from the first day of class with an emphasis on the material covered since the previous exam (usually 2-3 chapters). The four midterm exams will be held during scheduled class time. The exams will be given only on the assigned day and time (see the schedule attached for the exact dates of exams). **There will be no makeups given in this course. However, the lowest/missed midterm will be dropped.**

Final Exam: There will be a 200-point cumulative final exam given at the end of the course. The final exam will be given on **Friday (05/15) 9:45 – 11:45 am in Bilger 150**. Make-up exams will not be given and the final exam will be given only on the assigned day and time. The final exam will not be given back after grading.

In Class Participation with iClicker:

The iClicker, iClicker 2, or any personal device such as a cell phone, laptop, or tablet will be used to assess in class attendance and participation during lecture and will account for approximately 5% of your overall grade. Questions answered in lecture will not be graded for accuracy but rather for participation and engagement in the course. Please see the registration instructions on Lualima for how to correctly register your iClicker and sync your account to Lualima. Participation credit will be assessed starting on the third day of class (**01/17/20, Fr**).

Grading: The tentative grading scale for lecture is as follows*:

Overall %	Grade Earned
95.0% or above	A+
94.99-90.00%	A
89.99-85.00%	A-
84.99-80.00%	B+
79.99-75.00%	B
74.99-70.00%	B-

69.99-65.00%	C+
64.99-60.00%	C
59.99-55.00%	C-
54.99-50.00%	D+
49.99-35.00%	D
34.99-30.00%	D-
29.99% or below	F

*Scores **may** be adjusted in the end of the semester, and is up to the discretion of the professor.

Instructor Methods & Course Policies:

Students should **read the textbook** for the upcoming lecture material prior to coming to class, **as well as take many hand-written notes in lecture to enhance learning**. You are encouraged to go to the office hours of the professor or any LA for help working through chemistry problems. **Recitations are highly recommended**. Additionally, the Learning Emporium has knowledgeable people willing to help with CHEM 273 as well as other math and science courses.

Students are responsible for keeping track of their own points along with the instructor. It is essential that students retain all returned assignments and course information. Late work will not be accepted; students must turn in assignments at assigned dates and times only. Every student is accountable for all work missed. Instructors are under no obligation to make special arrangements for students who are absent.

Attendance: You are required to attend the lecture section for which you are enrolled. The instructor reserves the right to request student ID verification at any time during this course. You may be dropped from the course if you have consecutive unexcused absences in lecture. You may be reported as 'no show' if you miss the first week of the semester. Your attendance will be monitored through iClicker.

Misconduct: Any act of plagiarism, or any other attempt to defraud the academic process will meet with reprimand and possible dismissal from the course without credit. **Cheating** in any form on an assignment/exam, at a minimum, result in a zero grade on that assignment/exam and the filing of an Academic Dishonesty Report Form

describing the incident with the Vice President of Student Affairs. Prior or future cheating incidents anywhere in the university could result in expulsion. **Cheating includes:** the copying or exchanging of information during exams or quizzes, using banned materials, information, or devices during exams/quizzes, plagiarism, and altering the graded exam and claiming points. Exact reproduction of written materials from other students on any lab report will result in all parties receiving a zero. An on-line version of the Academic Honesty Policy for the university can be found at:

http://www.studentaffairs.manoa.hawaii.edu/policies/conduct_code/

Special accommodations policy:

Students with conditions that may require classroom or test accommodations are encouraged to contact me privately and 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.

Useful Tips: Organic chemistry is not hard, but it does require a lot of work on the student's behalf. The most important thing you can do to be successful in this course is to attend every class, stay current and keep up with the material. Unfortunately, organic chemistry is a broad field with a lot of new concepts for you to learn. The material comes very fast and there is really not much I can do other than try to explain the material in a simple and understandable fashion. It just isn't possible to cram for organic chemistry on the night before the exam. It is much better to study for one or two hours every day rather than 12 hours over a weekend. It is not easy to absorb all the material in one sitting, and a daily study routine will make comprehension much easier. It will take effort on your part to learn organic chemistry.

Learning organic chemistry is very much like learning a foreign language. You need to learn the vocabulary in terms of names, structures and types of functional groups. You also need to learn the rules of grammar. For example, how an alcohol will react with a halide, etc. Once you learn certain rules, they can be applied to many different reactions. Thus, you can construct chemical sentences. There will

be a certain amount of memorization required, however, because of the vastness of the subject, learning general trends and rules will be most helpful.

WORK ALL OF THE PROBLEMS IN THE TEXT AND ANY OTHERS THAT MAY BE ASSIGNED! You are strongly urged to work through the problems as many times as it takes to become proficient with the material. This will take a lot of work on your part, but it will be key to your success in this class.

Suggestions: Read the assigned chapter or sections before coming to class, ask questions, re-write your notes after every class, **DO THE PROBLEMS**, try to understand the problem before looking at the answer, working with partners or small groups can be useful, use your molecular models and utilize my office hours and open-door policy.

If you are having difficulty with this course, come to see me ASAP. If you do not know where to start asking questions, the question that needs answered is "When can I get in to see my instructor?"

Absences: The instructor cannot make accommodations for conflicting work schedules, vacation plans, or any other non-emergency situations. Any medical emergency must be documented by a hand-written doctor's note by a local doctor with a physical address and phone number on the heading of the note. Make-up exams (after 2nd missed exam) are always at the discretion of the professor, regardless of the excuse. Only excused medical or other relevant (military, athletes, school-related trips, etc.) absences will allow students to take an exam at a later date. Otherwise, no credit will be given.

Tentative Class Schedule:

Week	Dates	Tentative Plan	Notes
1	01/13-01/17	Ch. 12	
2	01/20-01/24	Ch. 13	01/20 (M) – MLK Day
3	01/27-01/31	Ch. 13/14	
4	02/03-02/07	Ch. 14	Exam 1 (Ch 12, 13) – 02/07 (F)
5	02/10-02/14	Ch. 15	
6	02/17-02/21	Ch. 16	02/17 (M) – President's Day Exam 2 (Ch 14, 15) – 02/21 (F)
7	02/24-02/28	Ch. 16	
8	03/02-03/06	Ch. 17	
9	03/09-03/13	Ch. 18	
10	03/16-03/20	-	SPRING RECESS
11	03/23-03/27	Ch. 18/19	Exam 3 (Ch 16, 17, 18) – 03/27 (F)
12	03/30-04/03	Ch. 19	
13	04/06-04/10	Ch. 20	04/10 (F) – Good Friday
14	04/13-04/17	Ch. 20/21	Exam 4 (Ch 19, 20) – 04/17 (F)
15	04/20-04/24	Ch. 21/22	
16	04/27-05/01	Ch. 22	
17	05/04-05/08	Review (time permitting)	05/07 (Th) – Last Day of Instruction
18	05/11-05/15	Finals Week	Cumulative Final Exam: Friday 9:45 – 11:45 am, 05/15 (F) in Bilger 150