

# Chemistry 273 - Fall 2020

M, W, F 8:30 - 9:20 a.m.

On Line

Section 101	Recitation Mondays	17:30 – 18:20	Bilger 150
Section 102	Recitation Tuesdays	17:30 – 18:20	Bilger 150
Section 103	Recitation Wednesdays	17:30 – 18:20	Bilger 150

Please note that the recitation sections are in-person and attendance at the recitation sections is *not* optional – please be there.

Professor: Marcus A. Tius

Office: 321D Bilger Hall; tius@hawaii.edu

Office Hours: Thursdays 2:00 to 4:00 p.m. (or any time I am not tied up with other duties)

Please make use of the Learning Emporium.

Text: "Organic Chemistry" 6<sup>th</sup> Edition (5<sup>th</sup> Edition OK), Loudon, Roberts & Company and the Study Guide and Solutions Manual that accompanies the text.

Molecular model sets can be purchased on line. The MM-005 from Duluth Labs is a good value. Go to <http://duluthlabs.com> if you decide to purchase a set.

We will try to cover chapters 12 and 13, chapters 16 – 23 and chapters 25 and 27. *Approximately three lectures ( = 1 week) are devoted to each chapter.* Please read the chapters *before* the lecture.

*Grading Policy.* The middle of the C range is 50%. If we have in-person recitation sections, then two unexcused absences will drop a student's score by one grade, i.e. from a B- to a C+. Hour exams will be held during the recitation section time slot according to the following schedule, and we will not have a Final Exam unless the UH makes provision for an in-class final. If this is the case, then students' grades will be based on their performance on the three hour exams.

Hour Exams	Week of 09/21/20	100 pts
	Week of 10/19/20	100 pts
	Week of 11/30/20	100 pts

*If the UH reverses itself and cancels the in-person recitation sections,* then students will have two grading options. (1) Take a 1-to-1 live proctored Final Exam, or (2) Take an oral Final Exam, administered by me, through Zoom or Skype. If there are no in-person recitation sections during which to schedule the hour exams the semester grade will depend only on the final exam.

M - 08/24	W - 08/26	F - 08/28	M - 08/31	W - 09/02	F - 09/01
Chapter 12 Introduction to Spectroscopy – IR and MS			Chapter 13 NMR Spectroscopy		
M - 09/07	W - 09/09	F - 09/11	M - 09/14	W - 09/16	F - 09/18
Labor Day	Chapter 13 cont'd	Chapter 16 Chemistry of Benzene			
M - 09/21	W - 09/23	F - 09/25	M - 09/28	W - 09/30	F - 10/02
Chapter 17 Allylic and Benzylic Reactivity				Chapter 18 Aryl Halides, Phenols, TM Catalysis	
M - 10/05	W - 10/07	F - 10/09	M - 10/12	W - 10/14	F - 10/16
Chapter 18 cont'd			Chapter 19 Aldehydes and Ketones		
M - 10/19	W - 10/21	F - 10/23	M - 10/26	W - 10/28	F - 10/30
Chapter 20 Chemistry of Carboxylic Acids			Chapter 21 Chemistry Carboxylic Acid Derivatives		
M - 11/02	W - 11/04	F - 11/06	M - 11/09	W - 11/11	F - 11/13
Chapter 22 Enols, Enolates, $\alpha,\beta$ -Unsaturated Systems				Veterans Day	Chapter 23 Amines
M - 11/16	W - 11/18	F - 11/20	M - 11/23	W - 11/25	F - 11/27
Chapter 23 cont'd			Chapter 26 The Chemistry of Aromatic Heterocycles		T-Giving Day
M - 11/30	W - 12/02	F - 12/04	M - 12/07	W - 12/09	
Chapter 26 cont'd	Chapter 28 Pericyclic Reactions				