

Chemistry 273 - Fall 2017

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

PhysSci 217

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)

Problem Sessions: Alternating weeks on Friday (4:30 – 5:30 p.m.) or on Saturday (11:00 – 12:00 a.m.) in Bilger 341C. Please also make use of the Learning Emporium.

*Please: do not use phones, tablets, laptops or other electronic devices in class.
I reserve the right to ask students to leave the class if they ignore this request.*

Text: "Organic Chemistry" 6th Edition (5th 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 [\$29.95] 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 you come to lecture.

Hour Exams	September 22	(Friday)	100 pts
	October 20	(Friday)	100 pts
	November 17	(Friday)	100 pts
Final Exam	December 11	(Monday, 7:30 – 9:20 a.m.)	200 pts

Grading Policy. The middle of the C range is 50%. Because the final is cumulative, any score of 87% or better on the final automatically earns an A for the semester.

If you:

1. Took Chem 272 from me during Spring 2017;
2. Missed a higher grade by 5 points out of 400 in Chem 272;
3. Missed a higher grade by 5 points during this semester in Chem 273,
you will receive the higher grade in Chem 273 (i.e. if you were going to receive a C+, you will receive a B-; if you were going to receive a B- you will receive a B, etc.).

M - 08/21	W - 08/23	F - 08/25	M - 08/28	W - 08/30	F - 09/01
Chapter 12 Introduction to Spectroscopy – IR and MS			Chapter 13 NMR Spectroscopy		
M - 09/04	W - 09/06	F - 09/08	M - 09/11	W - 09/13	F - 09/15
Labor Day	Chapter 13 cont'd	Chapter 16 Chemistry of Benzene			
M - 09/18	W - 09/20	F - 09/22	M - 09/25	W - 09/27	F - 09/29
Chapter 17 Allylic and Benzylic Reactivity		Exam 1	Chapter 17 cont'd	Chapter 18 Aryl Halides, Phenols, TM Catalysis	
M - 10/02	W - 10/04	F - 10/06	M - 10/09	W - 10/11	F - 10/13
Chapter 18 cont'd			Chapter 19 Aldehydes and Ketones		
M - 10/16	W - 10/18	F - 10/20	M - 10/23	W - 10/25	F - 10/27
Chapter 20 Chemistry of Carboxylic Acids		Exam 2	Chapter 21 Chemistry Carboxylic Acid Derivatives		
M - 10/30	W - 11/01	F - 11/03	M - 11/06	W - 11/08	F - 11/10
Chapter 22 Enols, Enolates, α,β -Unsaturated Systems				Chapter 23 Amines	Veterans Day
M - 11/13	W - 11/15	F - 11/17	M - 11/20	W - 11/22	F - 11/24
Chapter 23 cont'd		Exam 3	Chapter 26 The Chemistry of Aromatic Heterocycles		T-Giving Day
M - 11/27	W - 11/29	F - 12/01	M - 12/04	W - 12/06	
Chapter 26 cont'd	Chapter 27 Pericyclic Reactions				