

# Chemistry 272 - Spring 2020

M, W, F 10:30 - 11:20 a.m.

Bilger 152

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 (10:00 – 11:00 a.m.) in Bilger 341C. **Please also make good use of the Learning Emporium.**

*Please: do not talk on the phone, or text in class. Please no web surfing either.  
I reserve the right to ask students to leave the class if they ignore this request.*

Text: "Organic Chemistry" Sixth Edition (Fifth Edition OK), Loudon, Roberts & Company and the Study Guide and Solutions Manual that accompanies the text. The ebook can also be ordered through VitalSource:

<https://www.vitalsource.com/products/organic-chemistry-marc-loudon-v9781319110536>

We will try to cover chapters 1 – 11 and 14, 15 (chapters 12, 13 will be covered in Chem 273). *Approximately three lectures (= 1 week) are devoted to each chapter.* You must read the chapters *before* you come to lecture.

Hour Exams	February 2	(Friday)	100 pts
	March 13	(Friday)	100 pts
	April 13	(Monday)	100 pts
Final Exam	May 15	(Friday, 9:45 – 11:45 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. The questions you answer in class using the Top Hat platform are worth 5% of your grade.

M - 01/13	W - 01/15	F - 01/17	M - 01/20	W - 01/22	F - 01/24
Chapter 1 Chemical Bonding & Chemical Structure			<b>MLK Day</b>	Chapter 2 Alkanes	
M - 01/27	W - 01/29	F - 01/31	M - 02/03	W - 02/05	F - 02/07
Chapter 3 Acids & Bases. Curved-Arrow Notation			Chapter 4 Intro to Alkenes. Structure & Reactivity		
M - 02/10	W - 02/12	F - 02/14	M - 02/17	W - 02/19	F - 02/21
Chapter 5 Addition Reactions of Alkenes		<b>Exam 1</b>	<b>Presidents' Day</b>	Chapter 5 cont'd	Chapter 6 Principles Stereochem.
M - 02/24	W - 02/26	F - 02/28	M - 03/02	W - 03/04	F - 03/06
Chapter 6 cont'd		Chapter 7 Cyclic Compounds. Stereochemistry of Reactions			
M - 03/09	W - 03/11	F - 03/13	M - 03/16	W - 03/18	F - 03/20
Chapter 8 Noncovalent Intermolecular Interactions		<b>Exam 2</b>	<b>SPRING RECESS</b>		
M - 03/23	W - 03/25	F - 03/27	M - 03/30	W - 04/01	F - 04/03
Chapter 8 cont'd	Chapter 9 Chemistry of Alkyl Halides				Chapter 10 Alcohols and Thiols
M - 04/06	W - 04/08	F - 04/10	M - 04/13	W - 04/15	F - 04/17
Chapter 10 cont'd		<b>Good Friday</b>	<b>Exam 3</b>	Chapter 11 Ethers, Epoxides, Glycols	
M - 04/20	W - 04/22	F - 04/24	M - 04/27	W - 04/29	F - 05/01
Chapter 11 cont'd	Chapter 14 The Chemistry of Alkynes		Chapter 15 Dienes, Resonance and Aromaticity		
M - 05/04	W - 05/06				
Chapter 15 cont'd					