



Organic Chemistry I – Tentative Schedule*±

Date	Chapter	Sections	Comments, Notes, etc.
Jan. 20	Martin Luther King Jr. Day - No classes		
Jan. 22	1	1.1-1.6	Introductions, suggestions on how to be successful
Jan. 24	2	2.1-2.3	Atoms to molecules
Jan. 27	2	2.4-2.6	Focus on Lewis structures, geometry, and M.O. theory
Jan. 29	2	2.4-2.8	Resonance Students will want to preview section 3.2 & 3.8
Jan. 31	3	3.1-3.3, 3.8	Alkanes, drawing molecules, and nomenclature; Functional groups
Feb. 03	3	3.3-3.5	Nomenclature and conformational analysis
Feb. 05	3	3.6-3.7	Cycloalkanes, ring strain, conformations of rings
Feb. 07	1,2,3	All	Review for Exam 1: Chapters 1, 2, & 3
Feb. 10	1,2,3	All	Exam 1
Feb. 12	4	4.1-4.2	Acid/Base definitions and theory
Feb. 14	4	4.3-4.5	Applications of acid/base theory
Feb. 17	4,5	4.1-4.5; 5.1	Acid/Base summary and chemical reactions
Feb. 19	5	5.1-5.2	Thermodynamics
Feb. 21	5	5.3-5.4	Kinetics
Feb. 24	5,6	5.1-5.4; 6.1	Reaction analysis summary and stereoisomerism
Feb. 26	6	6.1-6.2	Stereochemistry Chirality
Feb. 28	6	6.3-6.5	Enantiomers and diastereomers
Mar. 03	6	6.6-6.8	Enantiomers, diastereomers, and miso compounds
Mar. 05	4,5,6	All	Review for Exam 2: Chapters 4, 5 & 6
Mar. 07	4,5,6	All	Exam 2
Mar. 10-14	Spring Break		
Mar. 17	8	8.1-8.2	Introduction of alkenes and addition reactions Chapter 7: Extra-credit assignments released
Mar. 19	8	8.3-8.4	Hydrohalogenation and addition of water
Mar. 21	9	9.1-9.3	Oxidation and reduction of alkenes
Mar. 24	8,9	All	Summary review of chapters 8 & 9
Mar. 26	10	10.1-10.3	Introduction to alkynes Chapter 7: Extra-credit assignments due
Mar. 28	10	10.4-10.5	Chemistry of alkynes
Mar. 31	10	10.4-10.6	Reactions with alkynes



Date	Chapter	Sections	Comments, Notes, etc.
Apr. 02	10	10.7 - 10.9	Reactions with alkynes
Apr. 04	8, 9, 10	All	Review for Exam 3: Chapters 8, 9, & 10
Apr. 07	8, 9, 10	All	Exam 3
Apr. 09	11	11.1 - 11.4	Introduction to radical reactions
Apr. 11			
Apr. 14	11	11.5 - 11.7	Radical reactions
Apr. 16	12	12.1 - 12.3	Substitution and elimination reactions
Apr. 18	Study day - No Classes		
Apr. 21	12	12.1 - 12.3	Substitution reactions
Apr. 23	12	12.5 - 12.7	Elimination reactions
Apr. 25			
Apr. 28	12	12.6 - 12.8	Summary of nucleophilic substitution and elimination reactions
Apr. 30	11 & 12	All	Review for Exam 4: Chapters 11 & 12.
May 02	11 & 12	All	Exam 4
May 05	Review		Last day of scheduled classes
May 07-13	Final examinations week.		
May 12 (Monday)	12:00 - 13:50	First Semester Organic Chemistry ACS Final Exam (cumulative, multiple-choice)	
*Dates, topics and exam coverage are tentative. The instructor reserves the right to make changes as deemed necessary.			
‡Academic calendar: https://www.tamusa.edu/academics/documents/AY2025-Academic-Calendar.pdf			