Chemistry 333 **Spring 2022**

Tentative Lecture, Reading, and Examination Schedule

Text: Wade, *Organic Chemistry*, 9th edition

Dates	Topics	Readings
Jan. 24, 26	Structure and Bonding	1: 1–19.
Jan. 26	Acids and Bases; Functional Groups	2: 1–17.
Jan. 31, Feb. 2, 7, 9	Structure and Stereochemistry of Alkanes	3: 1–16. 8: 10. Problem 8-23. 10: 8, 9F, 10A. Problems 10-11, 10-12, 10-21, and 10-22.
Feb. 9, 14, 16	The Study of Chemical Reactions	4: 1–16.
Feb. 16, 21, 23	Stereochemistry	5: 1–16.
Feb. 28	EXAM #1 (through The Study of Chemical Reactions)	
March 2, 7, 9	Alkyl Halides: Nucleophilic Substitution	6: 1–16.
March 9, 14, 16, 28	Structure and Synthesis of Alkenes: Elimination	7: 1–19. 9: 9B, 9C.
March 28, 30	Reactions of Alkenes	8: 1–17. 11: 11B. Problem 11-30.
April 4	EXAM #2 (cumulative, through Structure and Synthesis of Alkenes)	
April 6, 11	Reactions of Alkenes (continued)	
April 11, 13	Alkynes	9: 1–10.
April 13, 18	Structure and Synthesis of Alcohols	10: 1–12.
April 18	Reactions of Alcohols	11: 1–14.
April 20, 25	Infrared Spectroscopy and Mass Spectrometry	12: 1–15.
April 27, May 2, 4, 9, 11	Nuclear Magnetic Resonance (NMR) Spectroscopy	13: 1–14.
May 16	EXAM #3 (cumulative, through NMR Spectroscopy)	