

## Lecture Schedule (Tentative)

Week	Monday	Topics	Wednesday	Topics
1	2/1	Introduction; Ch. 10: Dienes; Bonding in Conjugated Systems; Kinetic vs. Thermodynamic Control	2/3	Ch. 10: Diels-Alder Rxn.; Ch. 11: Oxidation & Reduction Definitions, Hydrogenations
2	2/8	Ch. 11: Oxidation of Alkenes, Alcohols, and Amines	2/10	Ch. 12: Intro. to Radicals; Halogenation and Reduction via Radicals
3	2/15	<b>Holiday</b>	2/17	Ch. 12: Radical Additions and Oxidations
4	2/22	Ch. 15: Organometallic Reagents; Concepts of C-C Bond Formation; Grignard Reagents, Organolithium, Organocuprates	2/24	Ch. 15: Synthesis and Retrosynthesis
5	3/1	Ch. 17: Aromaticity; Electrophilic Aromatic Substitution on Benzene	3/3	<b>Exam 1</b>
6	3/8	Ch. 17: Electrophilic Aromatic Substitution on Benzene Derivatives	3/10	Ch. 17: Diazonium Compounds, Nucleophilic Aromatic Substitution; Ch. 18: Aldehydes and Ketones; Nucleophilic Addition
7	3/15	Ch. 18: Reduction of Aldehydes & Ketones; Baeyer-Villiger Oxidation; Ch. 19: Introduction to Acetals and Ketals	3/17	Ch. 19: Protecting Groups; Formation of Acetals & Ketals; Intro. to Carbohydrates
8	3/22	Ch. 19: Properties and Reactions of Carbohydrates	3/24	Ch. 20: Imines, Enamines, and Ylides
	3/29	<b>Spring Break: No Class</b>	3/31	<b>Spring Break: No Class</b>
9	4/5	Ch. 20: Ylides; The Wittig Reaction	4/7	<b>Exam 2</b>
10	4/12	Ch 21: Addition-Elimination; Common Names of Acid Derivatives; Rxns. of Acids, Acid Chlorides and Anhydrides	4/14	Ch. 21: Chemistry of Esters, Amides, and Nitriles
11	4/19	Ch. 21: Rxns. with Organometallics; Reduction Reactions; Ch. 22: Enols & Enolate Ions	4/21	Ch. 22: Rxns of Enolate Ions; Dicarbonyl Compounds
12	4/26	Ch: 22: Gabriel Amine Synthesis; Ch. 23: Aldol and Crossed-Aldol Reactions	4/28	Ch. 23: Claisen and Mixed Claisen Reactions; Related Reactions
13	5/3	Ch. 23: Conclude; Ch. 24: $\alpha,\beta$ -Unsaturated Compounds	5/5	<b>Exam 3</b>
14	5/10	Ch. 24: Mannich and Michael Reactions	5/12	Ch. 24: Robinson Annulation, Synthesis Practice; Ch. 27: Amino Acids
15	5/17	Ch. 27: Peptide Synthesis and Analysis	5/19	<b>Chem 231 Final Exam</b>
16	5/24	<b>No Class</b>	5/26	<b>ACS Final Exam (Chem 230 &amp; 231) 11:15 - 1:15 pm</b>