

Spring 2024 Schedule of Topics (subject to change):

Lecture 1 1/16: Introduction and Expectations (Read Ch. 1.1 – 1.4)

Lecture 2 1/18: Orbitals and Bonding (Ch. 1)

Lecture 3 1/23: Alkanes – Conformations (Ch. 3)

Lecture 4 1/25: Cycloalkanes (Ch. 3)

Lecture 5 1/30: Polarity, Resonance, Acids/Bases (Ch. 2, 8.1-8.10)

Lecture 6 2/1: Stereochemistry I (Ch. 4) *Group Worksheet 1*

Lecture 7 2/6: Stereochemistry II (Ch. 4)

Lecture 8 2/8: Reactions of Alkanes, Thermochemistry/Kinetics (Ch. 12.1-12.5)

2/13: Exam 1 (Based on Lectures 1-7)

Lecture 9 2/15: Introduction to Alkenes (Ch. 5)

Lecture 10 2/20: Reactions of Alkenes (Ch. 6)

Lecture 11 2/22: Reactions of Alkenes (Ch. 6)

Lecture 12 2/27: Radical reactions of Alkenes (Ch. 12.7-12.9)

Lecture 13 2/29: Reactions of Alkynes (Ch. 7)

Lecture 14 3/5: Reactions of Alkynes (Ch. 7)

Lecture 15 3/7: Substitution Reactions (Ch. 9) *Group Worksheet 2*

3/11 – 3/15 Spring Break

3/19: Exam 2 (Based on Lectures 8-14)

Lecture 16 3/21: Elimination Reactions (Ch. 9)

Lecture 17 3/26: Alkyl Halides and Alcohols (Ch. 10)

Lecture 18 3/28: Alcohols (cont.) and Organometallics (Ch. 11)

Lecture 19 4/2: Benzene Aromaticity (Ch. 8.14-8.21)

Lecture 20 4/4: Introduction to Electrophilic Aromatic Substitution (Ch. 8.14-8.21, cont.) *Group Worksheet 3*

Lecture 21 4/9: NMR 1

Lecture 22 4/11: NMR 2

4/16: Exam 3 (Based on Lectures 15-20)

Lecture 23 4/18: Special Topic (TBA)

Lecture 24 4/23: Special Topic (TBA)

Lecture 25 4/25: Special Topic (TBA) (or TA Review) *Group Worksheet 4*