

Plan of Attack

Date	Topic	Suggested Reading	Assignments Due
Tues, 9/1	What is Mechanism? Bonding Theories	C&S A, Ch 1 Kirby, Ch 2 A&D, Ch 1 Fleming, Ch 1-2	
Thurs, 9/3	Bonding Theories	Kirby, Ch 4	
Tues, 9/8	Arrow Pushing	Kirby, Ch 5	PS 1
Thus, 9/10			
Tues, 9/15	Thermodynamics	C&S A, Ch 3 A&D, Ch 2	PS 2
Thus, 9/17			
Tues, 9/22	Conformational Analysis: Acyclic		PS 3
Thus, 9/24	Conformational Analysis: Cyclic		
Tues, 9/29	Enantiomers & Diastereomers	C&S, Ch 2 A&D, Ch 6	PS 4
Thus, 10/1	Midterm 1		
Tues, 10/6	Kinetics	C&S A, Ch 3 A&D, Ch 7	
Thus, 10/8			
Tues, 10/13	Kinetics of Multi-step Reactions		PS 5
Thus, 10/15	Kinetics of Catalytic Reactions	Silverman, Appendix I	
Tues, 10/20	Enantioselective Catalysis	C&S A, Ch 2	PS 6
Thurs, 10/22	Methods for Mechanistic Study		
Tues, 10/27			PS 7
Thus, 10/29	Midterm 2		
Tues, 11/3	Computational Chemistry	Jensen	
Thus, 11/5	Gaussian Tutorial – Meet in Computer Lab (221 BRL)		
Tues, 11/10	Pericyclic Reactions	C&S A, Ch 8 & 10 Fleming, Ch 4	PS 8 (computational)
Thus, 11/12			
Tues, 11/17		A&D, Ch 15	PS 9
Thus, 11/19	Solvent Effects		
Tues, 11/24	Non-covalent Interactions	A&D, Ch 3 & 4	PS 10
Thus, 11/26	<i>Thanksgiving – No Class</i>		
Tues, 12/1	Case Studies in Mechanism		PS 11
Thus, 12/3			
Tues, 12/8			PS 12
TBA	Final Exam		