

Week	Date	Chapter(s)	Topics
0	9/25	4	Class Intro, Symmetry Operations
1	9/28	4	Point Groups
	9/30	4	Representations and Character Tables
	10/2	4	Character Tables and One Application of Symmetry
2	10/5	4	A Second Application of Symmetry
	10/7	5	Simple MO Theory
	10/9	5	MO Theory, Part II
3	10/12	5	MO Theory, Part III
	10/14	5	MO Theory, Part IV
	10/16	7	The Crystalline Solid State
4	10/19	7	Crystal Structures
	10/21	7	Thermodynamics and Electronic Structure of Solids
	10/23	4,5, some7	Midterm Exam I
5	10/26	7	Semiconductors, Solar Cells, and Lasers
	10/28	6	Models of Acid-Base Reactions
	10/30	6	Acid-Base Strength
6	11/2	8	Hydrogen, Alkalis & Alkaline Earths
	11/4	8	Boron and the Carbon Groups
	11/6	8	Carbon Through Noble Gases
7	11/9	9	Coordination Chemistry I: Intro
	11/11		Veteran's Day - No Class
	11/13	9	Coordination Chemistry II: Geometries and Isomers
8	11/16	10	Coordination Chemistry III: Electronic Structure
	11/18	6, rest 7, 8,9	Midterm Exam II
	11/20	10	Ligand Field Theory
9	11/23	10	Jahn-Teller Effect, Orbital Overlap Method, Electron Counting
	11/25	11	Spectroscopy and Multielectron Atoms I
	11/27		Thanksgiving - No Class
10	11/30	11	Spectroscopy and Multielectron Atoms II
	12/2	11	Term Symbols and Selection Rules
	12/4	11	Tanabe-Sugano Diagrams
Finals	12/9	4-11	Final Exam 8-10 AM