

PHYSICAL CHEMISTRY PLANS

DATES		CLASS TOPIC	HOMEWORK PROBLEMS
Jan	19 21	Elements of Quantum Mechanics	CH 9 Problems 1, 2, 4, 6, 8, 9, 11, 12, 14, 15, 17, 20
	24 26 28		
Feb	31 2 4	Electronic Structure of Atoms and Diatomic Molecules	Ch 10 Problems 1, 3, 5, 6, 7, 8, 12, 14, 16, 17, 22, 22, 23, 24, 27, 29, 30, 32, 35, 36, 38, 43, 47, 50, 51
	7 9 11		
	14 16 18	TEST	
	23	Symmetry and Electronic States of Molecules	Ch 11 Problems 1 to 16, 18, 19, 21, 23, 24, 28, 30
Mar	28 1 3		
	6 8 10	Spectroscopy	Ch 12 Problems 1, 2, 4, 5, 6, 7, 9, 10, 13, 14, 16, 17, 18, 22, 23, 26, 27, 29, 30, 32, 33, 35, 39, 41, 43, 48, 50, 51
	13 15 17		
	20 22 -24%	TEST	
Apr	3 5 7	Diffraction	Ch 13 Problems 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 19, 23, 24, 27, 28, 30, 33
	10 12 14		
	17 19	Electrical and Magnetic Properties	Ch 14 Problems 1, 2, 4, 5, 6, 7, 8, 13, 15, 16, 18, 19, 2
	24 26 28		
May	1 3 5	Macromolecules	
FINAL TEST May 8 - May 10:30			

Final exam will be Monday 8th of May at 10:30 a.m.

PHYSICAL CHEMISTRY LAB

	DATES	CLASS TOPIC	LAB (maybe--)
Jan	19 21	Elements of Quantum <u>Mechanics</u>	Particle in a box -- the spectrum of some <u>dyes</u>
	24 26 28		
Feb	31 2 4	Electronic Structure of Atoms and Diatomic <u>Molecules</u>	Hydrogen spectrum
Mar	7 9 11		
	14 16 18		Models and Symmetry
	23 25 1	Symmetry and Electronic States of Molecules	HCl (and DCl?) IR spectra
	28 1 3	Spectroscopy	
	6 8 10		
	13 15 17		
	20 22 24		Sulfur dioxide spectrum
Apr	3 5 7	Diffraction	X-ray diffraction pattern (simulation)
	10 12 14		
	17 19	Electrical and Magnetic <u>Properties</u>	Magnetic properties
	24 26 28		
	May 1 3 5	Macromolecules	