

Elmhurst College

Physics 301-01 Atomic Physics

Spring Term, 2008

Earl C. Swallow

Week	Date	Topic	Chapter
1	Feb. 4 6 8	Preliminaries Introduction	1
2	11 13 15	Particle-like Properties of Radiation	3, 6.4
3	18 20 22	Wave-like Properties of Particles	4
4	25 27 29		
5	Mar. 3 5 7	Rutherford-Bohr Atom Quiz #1	5 1,3,4
6	10 12 14		
7	17 19 21	Schroedinger Equation <i>(Term Paper "Proposal" Due)</i> <i>Spring Break Begins</i>	6
<i>– Spring Break –</i>			
8	31 Apr. 2 4		
9	7 9 11	Hydrogen Atom Quiz #2	7 5,6
10	14 16 18	Many-Electron Atoms	8
11	21 23 25		
12	28 30	<i>(Term Paper Draft Due – electronic)</i>	
	May 2	Statistical Physics	10
13	5 7 9	Quiz #3	7,8
14	12 14 16	<i>(Term Paper Due)</i> Molecules (in Brief)	9

The **Final Examination** is scheduled for Friday, May 23 at 8:00 a.m.