

Elmhurst College

Physics 101-01 Physical Science

Spring Term, 2008

Earl C. Swallow

Week	Date	Topic	Chapter
1	Feb. 4	Preliminaries	
	6	Early Beginnings of Science	1, 12.7
	8		
2	11		
	13	Atoms – A First Look	2
	15		
3	18		
	20	Motion: How Things Move	3
	22		
4	25	Forces: Why Motion Changes	4
	27		
	29	Gravity: The Universal Force	5
5	Mar. 3	Quiz #1	1 - 3, 12.7
	5		
	7	Energy – Something That Persists	6
6	10		
	12	Heat and Work: Thermodynamics	7
	14		
7	17	Light, Electricity, and Magnetism	8
	19	(Term Paper “Proposal” Due)	
	21	<i>Spring Break Begins</i>	
		<i>– Spring Break –</i>	
8	31	Quiz #2	4 - 7
	Apr. 2	The Electromagnetic Spectrum	9
	4		
9	7	Special Relativity	10
	9		
	11	General Relativity and Today’s Cosmology	11
10	14		
	16		
	18	Particles and Waves	13
11	21	Quiz #3	8 - 10
	23		
	25	The Quantum and the Atom	14
12	28	(Term Paper Draft Due – electronic or 2 copies)	
	30		
	May 2	The Subatomic Zoo	18
13	5		
	7	<i>Fermilab Field Trip (tentative)</i>	
	9	Radioactivity and Radiation	15
14	12	(Term Paper Due)	
	14	Energy Futures	17
	16		

The **Final Examination** is scheduled for Wednesday, May 21 at 1:00 p.m.