

Elmhurst College

Physics 311-01 Analytical Mechanics

Fall Term, 2008

Earl C. Swallow

Week	Date	Topic	Chapter
1	Aug. 25 27 29	Introduction and Ground Rules Rectilinear Dynamics	1.1, 1.2 2
2	Sept. 1 3 5	<i>Guess what happened to me on the way to Labor Day!?</i>	
3	9 10 12	Oscillations	3
4	15 17 19	Quiz #1 Vector Calculus and Kinematics	2, 3 1, H
5	22 24 26		
6	Oct. 29 1 3	Particle Dynamics in E3	4, 6.4, F
7	6 9 10	Quiz #2 Moving Reference Systems	1, 4, F, H 5
8	13 15 17	<i>1492, and all that (Term Paper "Proposal" Due)</i>	
9	20 22 24	Central Forces	6, C
10	27 29 31	Systems of Particles	7
11	Nov. 3 5 7	Rigid Bodies in E2	8
12	10 12 14	<i>(Term Paper Draft Due – 2 copies)</i>	
13	17 19 21	Quiz #3 Lagrangians and Hamiltonians	5-8, C 10
14	24 26 28	<i>Gobble, Gobble, Gobble!!</i>	
15	Dec. 1 3 5	Oscillating Systems <i>(Term Paper Due)</i>	11

Chapter references are for the 7th edition of "Analytical Mechanics" by Fowles and Cassiday.

The **Final Examination** is scheduled for Wednesday, December 10 at 8:00 a.m.