

PHYSICS 171 Spring 2015 CONTENTS and SCHEDULE

Prof. B. L. Hu

Lectures: Week/Date	Readings: Chapters in <i>Giancoli, Physics for Sci & Eng</i> 4 th ed 2009	Topics: [note <i>schedule updates</i>]	Homework # Due Date: Thur
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1 1/27, 29, 30	Chap 1 (read)	2 Kinematics: One dimensional motion	#1 2/5
2 2/3, 5, 6	Chap 3	Kinematics in 2 & 3 dimensions; Vectors	#2 2/12
3 2/10,12,13	Chap 4	Dynamics: Newton's Laws of Motion	#3 2/19
4 2/17,19,20	Chap 5	Friction. Circular motion	#4 2/26
5 2/24,26	Chap 6	Gravitation	#5 3/5
5-6 2/27, 3/3,5	Chap 7	Work and Energy	#6 3/12
6-7 3/6,10,13	Chap 8	Conservation of Energy	#7 3/26

Mar 12 (Thursday) Exam 1 (Chapters 2-6)

8 3/16-3/20	<i>Spring Break</i>		
9 3/24,26,27	Chap 9	Linear Momentum	#8 4/2
10 3/31, 4/2,3	Chap 10	Rotational Motion	#9 4/9
11 4/7,9,10	Chap 11	Angular Momentum	#10 4/16
12-13 4/14,16,17,21	Chap 36	Theory of Special Relativity	#11 4/30

April 23 (Thursday) Exam 2 (Chapters 7-11)

13 4/24	Chap 17	Temperature. Thermal Expansion. Ideal Gas Law (except Sec 5)	
14 4/28, 30	Chap 18	Kinetic Theory of Gas (mainly Sec 1-2 and Sec 6-7)	#12 5/7
14-15 5/1,5	Chap 19	Heat and First Law of Thermodynamics	#13 5/12 (Tue)
15-16 5/7, 8, 12	Chap 20	Second Law of Thermodynamic	#14 (<i>no need to hand in</i>)
May 19 Wed, 1:30 -3:30pm Final Exam (~1/3 from Chap 1-11, ~2/3 from Chap 36,17-20)			

*** *Have a Nice Summer!* ***