

PHY 231 Lecture Section C

READING ASSIGNMENT SCHEDULE

Fall 2012

#	Date	Topic	Reading	Homework
1	W 22 Aug.	Introduction		
2	F 24 Aug.	Measurement	App. B, 1.1–1.6	#1 due F 8/31
3	M 27 Aug.	One-Dimensional Motion	2.1–2.3	
4	W 29 Aug.	More 1D Motion	2.4–2.5	
5	F 31 Aug.	Constant Acceleration	2.6–2.8	#2 due W 9/5
	M 3 Sep.	(Labor Day Holiday)		
6	W 5 Sep.	Vectors	3.1–3.3	
7	F 7 Sep.	Vector Components	3.4	
8	M 10 Sep.	Projectile Motion	4.1–4.3	
9	W 12 Sep.	Relative Motion (Drop Day)	4.6	#3 due F 9/14
10	F 14 Sep.	Newton's I & II Laws	5.1–5.4	
11	M 17 Sep.	Weight; Newton's III Law	5.5–5.6	
12	W 19 Sep.	Applications of Newton's Laws	5.7	#4 due F 9/21
13	F 21 Sep.	Applications with Friction	5.8	
14	M 24 Sep.	Circular Motion	4.4–4.5,6.1	
15	W 26 Sep.	More Circular Motion	6.2	#5 due F 9/28
16	F 28 Sep.	Work	7.1–7.3	
	M 1 Oct.	Test 1		
17	W 3 Oct.	Work-Kinetic Energy Theorem	7.4–7.5	
18	F 5 Oct.	Potential Energy	7.6	#6 due W 10/10
19	M 8 Oct.	Force and Potential Energy	7.7–7.9	
20	W 10 Oct.	Conservation of Mechanical Energy	8.1–8.2	
21	F 12 Oct.	Non-Conservative Forces	8.3–8.5	#7 due W 10/17

- Before each lecture, read the corresponding assignment from the textbook.
- After each homework's deadline, print off the next homework assignment from the Web site (see the SYLLABUS for instructions). After each lecture, try the relevant homework problems (offline) *before* the next lecture.
- By each Tuesday recitation, you should have attempted to solve (offline) all of the problems assigned for that week, but not necessarily to have submitted answers. In recitation, you will see solutions presented to several of the problems. After recitation and before the deadline, complete your homework assignment on-line.

#	Date	Topic	Reading	Homework
22	M 15 Oct.	Conservation of Linear Momentum	9.1–9.2	
23	W 17 Oct.	Impulse & Momentum	9.3	
24	F 19 Oct.	Collisions	9.4	
25	M 22 Oct.	Center of Mass	9.6–9.8	#8 due W 10/24
26	W 24 Oct.	Kinematics of Rotation	10.1–10.3	
27	F 26 Oct.	Kinetic Energy; Moment of Inertia	10.4–10.5	
	M 29 Oct.	Test 2		
28	W 31 Oct.	Mechanical Energy; Rolling	10.9	#9 due F 11/2
29	F 2 Nov.	Torque (Withdrawal Day)	10.6–10.8	
30	M 5 Nov.	Angular Momentum	11.1–11.2,11.5	
31	W 7 Nov.	Conservation of Angular Momentum	11.3–11.4	#10 due F 11/9
32	F 9 Nov.	Newton's Law of Gravity	13.1–13.2	
33	M 12 Nov.	Motion of Planets: Kepler's Laws	13.3	
34	W 14 Nov.	Gravity: Field & Energy	13.4–13.5	
35	F 16 Nov.	Gravity: Conservation of Energy	13.6	#11 due M 11/26
36	M 19 Nov.	Oscillatory Motion	15.1,15.2,15.4	
	W 21 Nov.	(Thanksgiving Holiday)		
	F 23 Nov.	(Thanksgiving Holiday)		
37	M 26 Nov.	More on Oscillations	15.3,15.5–15.7	
	W 28 Nov.	Test 3		
38	F 30 Nov.	Waves	16.1,16.3,16.4	
39	M 3 Dec.	Sinusoidal Waves	16.2,16.6	
40	W 5 Dec.	Superposition & Interference	18.1,18.7	
41	F 7 Dec.	Standing Waves	18.2,18.3	#12 due F 12/7

- Through September 12, you may drop the course without it appearing on your transcript.
- Through November 2, you may withdraw from the course and receive a grade of *W*. After November 2, you may drop the course only for urgent *non-academic* reasons, and with the Dean's permission.
- The final exam for PHY 231 LECTURE SECTION C will take place on Friday Dec 14, 10:30am - 12:30pm in CP155.