Physics 53
Tentative Schedule

The following is a *tentative* physics 53 schedule for the *current* semester (Fall 2011). It may not survive intact if world events intervene to disturb it (as happened with e.g. 9/11 in previous years) but it is *a* schedule that will carry us through the material in a timely way, and complete all the required work in the allotted time and we will try hard to stick to it.

All assignments are in:

http://www.phy.duke.edu/~rgb/Class/intro_physics_1.php

(a week-by-week online physics textbook I'm working on that will eventually replace expensive store-bought textbooks altogether). Knight is intended to supplement this online resource wherever it is still "thin", but all problems are online and hence the course is independent of any *particular* physics text – other texts you might own will also work fine to support the course.

Note that this schedule will soon have *all the assignments for the semester*. Come back to check it again over the next few weeks.

Wk	Day	Lecture	Assignment
1	August 30	Course Intro/Newton's Laws	Week 0
1	September 1	Newton's Laws	Week 1 (due 9/12)
2	September 6	Newton's Laws	Week 1
2	September 8	Newton's Laws	Week 2 (due 9/19)
3	September 13	Newton's Laws	Week 2
3	September 15	Work-Kinetic Energy Theorem	Week 3 (due 9/26)
4	September 20	Work and Conservation of Energy	Week 3
4	September 22	Systems of Particles	Week 4 (due 10/3)
5	September 27	Momentum, Momentum Conservation	Week 4
5	September 28	Torque and Rotation	Week 5 (due 10/13)
6	October 4	Torque and Rotation	Week 5
6	October 6	Vector Torque	Week 6 (due 10/24)
6	October 7	**Midterm Grades due for freshmen**	
7	October 8-11	**Fall Break**	
7	October 13	Vector Torque	Week 6
8	October 18	Statics	Week 7 (due 10/31)
8	October 20	**Exam 1 (Thru Week 5)**	Location: Physics 128
9	October 25	Statics	Week 7
9	October 27	Fluids	Week 8 (due 11/7)
10	November 1	Fluids	Week 8
10	November 3	Gravitation	Week 9 (due 11/14)
11	November 8	Gravitation	Week 9
12	November 10	Oscillations	Week 10 (due 11/21)
11	November 11	**Last Day to (W)ithdraw Passing**	
12	November 15	Oscillations	Week 10
12	November 17	The Wave Equation	Week 11 (due 12/5)
13	November 22	The Wave Equation	Week 11
13	November 23-27	**Thanksgiving Break**	
14	November 29	Sound	Week 12 (due 12/9)
14	December 1	Sound	Week 12
14	December 6	Review	(all weeks)
15	December 8	**Exam 2 (Through Week 11)**	Location: Physics 128
15	December 9	**Last Day of Class**	
16	December 13 7-10 p.m.	**Final Exam**	(Location TBA)