

## Spring 2007 Syllabus

## PY211 - General Physics I

Week	Date	Lecture Topic	Reading Assignment	Homework Assignment	Discussion	Laboratory Assignment
1	Tuesday Jan. 16 Thursday Jan. 18	Physics and Measurement Motion in One Dimension, Vectors	Chap. 1 Chaps. 2, 3	Problem Set 1 Due 5:00 PM Jan 19	No Discussion This Week	No Labs This Week
2	Tuesday Jan. 23 Thursday Jan. 25	Motion in Two Dimensions Motion in Two Dimensions	Chap. 4 Chap. 4	Problem Set 2		1. Graphical Analysis Lab
3	Tuesday Jan. 30 Thursday Feb. 1	The Laws of Motion The Laws of Motion	Chap. 5 Chap. 5	Problem Set 3		2. Motion with Constant Acceleration
4	Tuesday Feb. 6 Thursday Feb. 8	The Laws of Motion Circular Motion	Chap. 5 Chap. 6	Problem Set 4		3. Projectile Motion
5	Monday Feb. 12 Tuesday Feb. 13 Thursday Feb. 15	<b>Midterm Exam #1</b> Work and Energy Work and Energy	<b>Chaps. 1 - 6</b> Chap. 7 Chap. 7			No Labs This Week
6	Tuesday Feb. 20 Thursday Feb. 22	<b>No Lecture - Monday Schedule</b> Potential Energy	Chap. 8	Problem Set 5		No Labs This Week
7	Tuesday Feb. 27 Thursday Mar. 1	Linear Momentum and Collisions Linear Momentum and Collisions	Chap. 9 Chap. 9	Problem Set 6		4. Momentum, Energy, and Collisions
8	Tuesday Mar. 6 Thursday Mar. 8	Rotation of Rigid Objects Rotation of Rigid Objects	Chap. 10 Chap. 10	Problem Set 7		5. Torque, Moment of Inertia
9	Tuesday Mar.13 Thursday Mar. 15	<b>Spring Break</b> <b>Spring Break</b>			No Discussion This Week	No Labs This Week
10	Tuesday Mar. 20 Thursday Mar. 22	Angular Momentum Universal Gravitation	Chap. 11 Chap. 13	Problem Set 8		No Labs This Week
11	Tuesday Mar. 27 Thursday Mar. 29	Universal Gravitation Review	Chap. 13 Chaps. 7 - 13	Problem Set 9		6. Fluids
12	Monday Apr. 2 Tuesday Apr. 3 Thursday Apr. 5	<b>Midterm Exam #2</b> Fluid Dynamics Fluid Dynamics	<b>Chaps. 7 - 13</b> Chap. 14 Chap. 14	Problem Set 10		No Labs This Week
13	Tuesday Apr. 10 Thursday Apr. 12	Oscillatory Motion Oscillatory Motion	Chap. 15 Chap. 15	Problem Set 11		7. Harmonic Motion and Energy
14	Tuesday Apr. 17 Thursday Apr. 19	Temperature Heat and 1st Law of Thermodynamics	Chap. 19 Chap. 20	Problem Set 12		No Labs This Week
15	Tuesday Apr. 24 Thursday Apr. 26	Heat and 1st Law of Thermodynamics Kinetic Theory of Gases	Chap. 20 Chap. 21	Problem Set 13		8. Mechanical Equivalent of Heat
16	Tuesday May 1 Thursday May 3	Entropy and Second Law of Thermodynamics Review	Chap. 22 Chaps. 14 - 22	Problem Set 14		No Labs This Week
17		<b>Final Exam</b>				