PHYS-1050-01 & 02 Syllabus

Professor: Steve Andrews

Date and day		Assign-ment	Lab	Lecture topics
9/21	W			Introduction. Uncertainties, units, estimation (ch. 1).
9/23	F			Unit conversion, reference frames, position, velocity (ch. 2)
9/26	M	Intro, Ch01	1	Acceleration
9/28	W	Lab1		Falling objects
9/30	F			Motion in 2 dimensions, vectors (ch. 3)
10/3	M	Ch02	2	Vectors and trigonometry
10/5	W	Lab2		Projectile motion
10/7	F			Relative velocity
10/10	M	Ch03	3	Review
10/12	W	Lab3		**Exam 1 (chapters 1-3)**
10/14	F			Force, mass, Newton's laws (ch. 4)
10/17	M		4	Weight, normal force, free-body diagram
10/19	W	Lab4		Free-body diagram, friction, inclines
10/21	F	Ch04		Circular motion (ch. 5)
10/24	M			Gravitation, satellites
10/26	W	Ch05		Planets, review
10/28	F			**Exam 2 (chapters 4-5)**
10/31	M		5	Work, kinetic energy (ch. 6)
11/2	W	Lab5		Potential energy, conservative forces
11/4	F	Ch06A		Energy conservation
11/7	M		6	Energy conservation, power
11/9	W	Ch06B, Lab6		Linear momentum (ch. 7)
11/11	F			NO CLASS
11/14	M		7	Elastic and inelastic collisons
11/16	W	Lab7		Momentum in 2D
11/18	F	Ch07AB		Center of mass, review
11/21	M		8	**Exam 3 (chapters 6-7)**
11/23	W			NO CLASS
11/25	F			NO CLASS
11/28	M	Lab8		Rotational motion, angles, rolling, torque (ch. 8)
11/30	W			Rotational inertia, rotational energy
12/2	F	Ch08AB		Angular momentum, review
12/5	M			NO CLASS
12/6	Tu			**Final exam (chapters 1-8)**