

			Phys101 Calendar (2010 summer, Subject to Change)	
wk	Date	Lecture	Topics	Ref
1	Mon 5/10			
	Wed 5/12	1	Course introduction	Notes
	Fri 5/14	2	Review of 1-D Kinematics.	2-1,2,3,4,5,6,7
2	Mon 5/17	3	Review of vectors	3-1,2,3,4,5
	Wed 5/19	4	Projectile motion, relative motion	3-6,7,8,9
	Fri 5/21	5	Newton's laws of motion, Forces, Free body diagram	4-1,2,3,4,5,6,7
3	Mon 5/24		Victoria Day	
	Wed 5/26	6	Free body diagram, Friction	4-7,8; 5.1
	Fri 5/28	7	Uniform circular motion, Drag	5-2,3,4,6
4	Mon 5/31	8	Newton's law of general gravitation	6-1,2,3,4
	Wed 6/2	9	Work, Dot product of two vectors, Work-energy theorem	7-1,2,3,4
	Fri 6/4	10	Problem solving	Notes
5	Mon 6/7	11	Work, Dot product of two vectors, Work-energy theorem	7-1,2,3,4
	Wed 6/9	12	Potential energy, conservation of mechanical energy	8-1,2,3,4
	Fri 6/11	13	Conservation of energy, dissipative forces, power	8-5,6,8
6	Mon 6/14	14	Momentum, conservation of momentum	9-1,2.
	Wed 6/16	15	Impulse, collisions	9-3,4,5,6,7
	Fri 6/18	16	Centre of mass	9-8,9
7	Mon 6/21	17	Examples	Notes
	Wed 6/23	18	Examples	Notes
	Fri 6/25		Midterm#1	
8	Mon 6/28	19	Rotational motion, angular quantities, torque	10-1,2,3,4
	Wed 6/30	20	Rotational dynamics, rotational kinetic energy, rolling	10-5,6,8,9
	Fri 7/2	21	Conservation of angular momentum (about a fixed axis)	11-1,6; notes
9	Mon 7/5	22	Static equilibrium	12-1,2,3
	Wed 7/7	23	Elasticity, stress, strain	12-3,4.
	Fri 7/9	24	Fluids: Pressure, Pascal's principle	13-1,2,3,4,5,6
10	Mon 7/12	25	Buoyancy	13-6,7
	Wed 7/14	26	Fluid flow and Bernoulli's equation	13-8,9,10
	Fri 7/16	27	Viscosity and Poiseuille's law	13-11,12,13,14
11	Mon 7/19	28	Examples	Notes
	Wed 7/21	29	Examples	Notes
	Fri 7/23		Midterm #2	
12	Mon 7/26	30	Simple harmonic motion	14-1,2,3,4
	Wed 7/28	31	Pendula and other oscillations	14-5; Notes
	Fri 7/30	32	Waves, the principle of superposition	15-1,2,3,4,6,8
13	Mon 8/2		BC Day	
	Wed 8/4	33	Interference; standing waves	15-6,8,9
	Fri 8/6	34	Sound, decibels, Doppler effect	16-1,3,7
14	Mon 8/9	35	Sound, decibels, Doppler effect	16-1,3,7

	Wed 8/11	36	Examples	
	Mon 8/16		Final Exam (3:30-6:30pm). AQ3181	