

# Physics 2010 at a glance (winter-spring, 2004)

	Monday	Tuesday	Wednesday	Thursday	Friday
January	12 Introduction; What is Physics? read section 1.1	13 Measurement and Units 1.2-1.3	14 Math Review 1.4-1.8	15 Velocity in One Dimension 2.1-2.2	16 Problem Set and Quiz #1
	M. L. King Day	20 Acceleration in One Dimension 2.3	21 Motion with Constant Accel. 2.4-2.7	22 Vectors 3.1-3.2	23 Problem Set and Quiz #2
	26 Practice with Vectors 3.3	27 Velocity and Accel. Vectors	28 Projectile Motion 3.4-3.5	29 Problem Set and Quiz #3	30 Inertia, Force, and Mass 4.1-4.2
February	2 <b>Test</b> (chapters 1-3)	3 Newton's Second Law 4.3, 4.5	4 Force Diagrams 4.7	5 Constrained Motion Problems	6 Problem Set and Quiz #4
	9 Newton's Third Law 4.4	10 Equilibrium and Torque 5.1-5.2	11 Center of Mass 5.3-5.5	12 Elasticity 5.6-5.8	13 Problem Set and Quiz #5
	Presidents' Day	17 Work and Kinetic Energy 6.1-6.2	18 Potential Energy 6.3-6.5	19 Conservation of Energy 6.6	20 The Many Forms of Energy 6.7-6.8
	23 Problem Set and Quiz #6	24 Momentum 7.1-7.3	25 <b>Test</b> (chapters 4-6)	26 Collisions 7.4-7.7	27 Circular Motion 8.1-8.3
March	1 Problem Set and Quiz #7	2 Rotating Reference Frames 8.4	3 Universal Gravitation 8.5-8.6	4 Rotational Kinematics 9.1-9.2	5 Rotational Dynamics 9.3-9.4
	8 Problem Set and Quiz #8	9 Angular Momentum 9.5-9.7	10 Fluids and Pressure 10.1-10.3	11 Variation of Pressure with Depth 10.4-10.6	12 Buoyant Forces 10.7-10.9
	22 Problem Set and Quiz #9	23 Fluid Dynamics 11.1-11.2	24 <b>Test</b> (chapters 7-10)	25 Energy in Fluid Motion 11.3-11.7	26 Oscillations 15.1-15.6
	29 Damped and Forced Oscillations 15.7-15.8	30 Problem Set and Quiz #10	31 Describing Waves 15.9	1 Superposition of Waves 15.10	2 Standing Waves 15.11
	5 Problem Set and Quiz #11	6 Sound Waves 16.1-16.3	7 The Doppler Effect 16.4	8 Musical Instruments 16.16.5-16.7	9 Problem Set and Quiz #12
	12 Temperature, Thermal Expansion 12.1-12.2	13 <b>Test</b> (chapters 11, 15-16)	14 Ideal Gas Law 12.3	15 Molecules and Phases of Matter 12.4-12.6	16 Problem Set and Quiz #13
April	19 Heat and Heat Capacities 13.1-13.2	20 Latent Heat of Phase Changes 13.3	21 Mechanisms of Heat Transfer 13.4-13.7	22 Problem Set and Quiz #14	23 Thermodynamics 14.1-14.2
	26 Engines and Refrigerators 14.3-14.5	27 Entropy 14.6	28 What is Entropy? 14.7	29 Problem Set and Quiz #14	30 Review for Final Exam