

Physics 2210, Spring 2008

Readings from Knight

	Monday	Tuesday	Wednesday	Thursday	Friday
January	7 Overview; Measurement Section 1.9	8 Velocity in One Dimension 2.1 - 2.4	9 Acceleration in 1D 2.5, 2.8	10 Constant Acceleration 2.5 - 2.7	11 Problem Set and Quiz #1
	14 Vectors 3.1 - 3.2	15 More about Vectors 3.3 - 3.4	16 Velocity and Accel. Vectors Chap. 1, 6.1	17 Problem Set and Quiz #2	18 Projectile Motion 6.3
	21 M. L. King Day	22 Uniform Circular Motion 7.1 - 7.2, 6.4	23 Newton's First Law 4.6	24 Problem Set and Quiz #3	25 Newton's Second Law 4.4 - 4.5
	28 Test (problem sets 1-3)	29 Types of Forces 4.1 - 4.3	30 Force Diagrams 4.7, 5.3 - 5.5	31 Problem Set and Quiz #4	1 Constrained Motion Problems 5.1 - 5.2, 5.6
February	4 Circularly Constrained Motion 6.2, Chapter 7	5 Newton's Third Law 8.1 - 8.3	6 Problem Set and Quiz #5	7 Third Law Problems 8.4 - 8.5	8 Systems of Particles handout
	11 Momentum 9.1 - 9.3	12 Collisions 9.4 - 9.6	13 Problem Set and Quiz #6	14 Kinetic and Grav'l Energy 10.1 - 10.3	15 Test (problem sets 4-6)
	18 Presidents Day	19 Elastic Energy 10.4 - 10.6	20 Energy Diagrams 10.7	21 Problem Set and Quiz #7	22 Work 11.1 - 11.3
	25 More about Work 11.4 - 11.6	26 The Many Forms of Energy 11.7 - 11.9	27 Problem Set and Quiz #8	28 Rotational Kinematics 13.1 - 13.2	29 Rotational Dynamics 13.3 - 13.6
March	3 Angular Momentum 9.7, 13.7 - 13.10	4 Problem Set and Quiz #9	5 Gravitation 12.3 - 12.4	6 Test (problem sets 7 - 9)	7 The Coper- nican Revolution 12.1 - 12.2
	10	11	12 Spring Break	13	14
	17 Gravitational Energy 12.5 - 12.6	18 Fluid Statics 15.1 - 15.4	19 Problem Set and Quiz #10	20 Fluid Dynamics 15.5	21 Oscillations chapter 14
	24 Describing Waves 20.1 - 20.2	25 Sinusoidal Waves 20.3	26 Problem Set and Quiz #11	27 Wave Dynamics 20.4 - 20.7	28 Standing Waves 21.1 - 21.3
	31 Sound Waves 21.4	1 Interference 21.5 - 21.8	2 Problem Set and Quiz #12	3 Temperature 16.3	4 Test (problem sets 10 - 12)
April	7 Solids, Liquids, and Gases 16.1 - 16.2, 16.4	8 The Ideal Gas Law 16.5 - 16.6	9 Compression Work 17.1 - 17.2	10 Problem Set and Quiz #13	11 Heat 17.3 - 17.4
	14 Specific Heat 17.5 - 17.7	15 Molecular Collisions 18.1 - 18.2	16 Equipartition of Energy 18.3 - 18.5	17 Problem Set and Quiz #14	18 Entropy 18.6
	21 Entropy and Heat handout	22 Engines and Refrigerators 19.1 - 19.4	23 Limits on Efficiency 19.5 - 19.6	24 Problem Set and Quiz #15	25 Review for Final Exam

Final Exam: Wednesday, April 30, noon - 2:00 p.m.