

Physics 2210, Spring 2011

Readings from Knight, 2nd ed.

	Monday	Tuesday	Wednesday	Thursday	Friday
January	3 Overview; Measurement Section 1.8	4 Velocity in One Dimension 2.1 - 2.3	5 Acceleration in 1D 2.4, 2.7	6 Constant Acceleration 2.4 - 2.7	7 Problem Set and Quiz #1
	10 Vectors 3.1 - 3.2	11 More about Vectors 3.3 - 3.4	12 Velocity and Accel. Vectors Chap. 1, 4.1 - 4.2	13 Problem Set and Quiz #2	14 Projectile Motion 4.3
	17 M. L. King Day	18 Uniform Circular Motion 4.4 - 4.6	19 Newton's First Law 5.6	20 Problem Set and Quiz #3	21 Newton's Second Law 5.1 - 5.5
	24 Test (problem sets 1-3)	25 Types of Forces 5.1 - 5.7	26 Force Diagrams 5.7, 6.1 - 6.4	27 Problem Set and Quiz #4	28 Constrained Motion Problems 6.1 - 6.2, 6.6
February	31 Circularly Constrained Motion Chapter 8	1 Newton's Third Law 7.1 - 7.3	2 Problem Set and Quiz #5	3 Third Law Problems 7.4 - 7.5	4 Systems of Particles handout
	7 Momentum 9.1 - 9.3	8 Collisions 9.4 - 9.6	9 Problem Set and Quiz #6	10 Kinetic and Grav'l Energy 10.1 - 10.3	11 Test (problem sets 4-6)
	14 Elastic Energy 10.4 - 10.6	15 Energy Diagrams 10.7	16 Problem Set and Quiz #7	17 Work 11.1 - 11.3	18 More about Work 11.4 - 11.6
	21 Presidents Day	22 The Many Forms of Energy 11.7 - 11.9	23 Problem Set and Quiz #8	24 Rotational Kinematics 12.1 - 12.2	25 Rotational Dynamics 12.3 - 12.6
March	28 Angular Momentum 12.7 - 12.11	1 Problem Set and Quiz #9	2 Gravitation 13.3 - 13.4	3 Test (problem sets 7 - 9)	4 Gravitational Energy 13.5 - 13.6
	7 Oscillations chapter 14	8 Describing Waves 20.1 - 20.2	9 Problem Set and Quiz #10	10 Sinusoidal Waves 20.3	11 Wave Dynamics 20.4 - 20.7
	14	15	16 Spring Break	17	18
	21 Standing Waves 21.1 - 21.3	22 Sound Waves 21.4	23 Interference 21.5 - 21.8	24 Problem Set and Quiz #11	25 Temperature 16.3
April	28 Test (problem sets 10 - 12)	29 Solids, Liquids, and Gases 16.1 - 16.2, 16.4	30 The Ideal Gas Law 16.5 - 16.6	31 Compression Work 17.1 - 17.2	1 Problem Set and Quiz #12
	4 Heat 17.3 - 17.4, 17.8	5 Specific Heat 17.5 - 17.7	6 Molecular Collisions 18.1 - 18.2	7 Equipartition of Energy 18.3 - 18.5	8 Problem Set and Quiz #13
	11 Entropy 18.6	12 Entropy and Heat handout	13 Engines and Refrigerators 19.1 - 19.4	14 Limits on Efficiency 19.5 - 19.6	15 Problem Set and Quiz #14
	18 Review for Final Exam	19	20 Final Exam 1:00 - 2:50 pm	21	22