

Physics 2210, Fall 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
Aug.	27 Overview; Measurement Vol. 1, Chapter 1	28 Velocity in One Dimension 3.1 - 3.2	29 Acceleration in 1D 3.3	30 Constant Acceleration 3.4 - 3.6	31 Problem Set and Quiz #1
September	3 Labor Day	4 Vectors 2.1 - 2.2	5 More about Vectors 2.3 - 2.4	6 Velocity and Accel. Vectors 4.1 - 4.2	7 Problem Set and Quiz #2
	10 Projectile Motion 4.3	11 Uniform Circular Motion 4.4 - 4.5	12 Newton's First Law 5.1 - 5.2	13 Problem Set and Quiz #3	14 Newton's Second Law 5.3 - 5.4
	17 Test (problem sets 1-3)	18 Types of Forces 5.6	19 Force Diagrams 5.7	20 Problem Set and Quiz #4	21 Constrained Motion Problems 6.1 - 6.2
	24 Circularly Constrained Motion 6.3 - 6.4	25 Newton's Third Law 5.5	26 Problem Set and Quiz #5	27 Third Law Problems	28 Systems of Particles 9.6
October	1 Momentum 9.1 - 9.3	2 Collisions 9.4 - 9.7	3 Problem Set and Quiz #6	4 Kinetic and Grav'l Energy 7.2, 8.1	5 Test (problem sets 4-6)
	8 Elastic Energy 8.2 - 8.3	9 Energy Diagrams 8.4	10 Problem Set and Quiz #7	11 Work 7.1	12 More about Work 7.3 - 7.4
	15 The Many Forms of Energy 8.5	16 Problem Set and Quiz #8	17 Rotational Kinematics 10.1 - 10.3	18 Rotational Dynamics 10.4 - 10.8	19 Fall Break
	22 Angular Momentum 11.1 - 11.3	23 Problem Set and Quiz #9	24 Gravitation 13.1 - 13.2	25 Test (problem sets 7 - 9)	26 The Coper- nican Revolution 13.5
	29 Gravitational Energy 13.3 - 13.4	30 Fluids Chapter 14	31 Problem Set and Quiz #10	1 Oscillations 15.1 - 15.4	2 Describing Waves 16.1
November	5 Sinusoidal Waves 16.2	6 Problem Set and Quiz #11	7 Wave Dynamics 16.3 - 16.4	8 Standing Waves 16.5 - 16.6	9 Sound Waves 17.1 - 17.3
	12 Musical Instruments 17.4 - 17.7	13 Problem Set and Quiz #12	14 Temperature Vol. 2, 1.1 - 1.3	15 Test (problem sets 10 - 12)	16 The Ideal Gas Law 2.1
	19 Molecular Collisions 2.2	20 Equipartition of Energy 2.3	21 Problem Set and Quiz #13	22 Thanksgiving	23 Holiday
	26 Compression Work 3.1 - 3.2	27 Heat 3.3 - 3.4, 1.6	28 Specific Heat 1.4 - 1.5, 3.5 - 3.6	29 Problem Set and Quiz #14	30 Entropy 4.7
December	3 Entropy and Heat 4.6	4 Engines and Refrigerators 4.1 - 4.3	5 Limits on Efficiency 4.4 - 4.5	6 Problem Set and Quiz #15	7 Review for Final Exam
	10 Final Exam 9:30 - 11:50 am	11	12	13	14

Readings are from OpenStax University Physics, volumes 1 and 2