Class		Date	Text	Topics	Labs
1	M	Jan 25	1.1 – 1.4 2.1 – 2.4 2.5, 2.6, 2.8	Introduction, Units, SI prefixes 1D motion: Displacement, Velocity, Acceleration Equations of motion	Uncertainties
2	T	Jan 26	2.7 3.1 – 3.3 3.4	Free fall, g, Graphs 2D motion and vectors Projectile motion	
3	R	Jan 28	4.1 – 4.4 4.5 – 4.8 5.1 – 5.2	Newton's laws Applying Newton's laws Friction and fluid drag	Projectile Motion
4	F	Jan 29	6.1 – 6.4 6.5 – 6.6	Rotation, Centripetal force Gravity & Orbits Catch up, review	
5	M	Feb 1	1 – 6	Catch up, review **Test 1**	Friction
6	T	Feb 2	7.1 – 7.3 7.4 – 7.7 8.1 – 8.3	Work, Kinetic Energy, Potential Energy Conservation of Energy, Power Impulse, Momentum	
7	R	Feb 4	8.4 – 8.7 9.1 – 9.6 10.1 – 10.3	Collisions & Rockets Equilibrium, Torque, Statics Rotational kinematics and inertia	Ballistic Pendulum
8	F	Feb 5	10.4 – 10.5 10.6 – 10.7 16.1 – 16.3	Rotational energy, Angular momentum Collisions, Conservation Oscillations, Simple harmonic motion	
9	M	Feb 8	16.4 – 16.6 16.7 – 16.8	Pendulums, Oscillator energy Oscillations: damped, forced; Resonance Catch up, review	Rotational Motion
10	T	Feb 9	7 – 10, 16	Catch up, review **Test 2**	
11	R	Feb 11	11.1 – 11.4 11.5 – 11.8 12.1 – 12.3	Fluids, density, pressure Pascal's principle, Archimedes' principle Continuity equation, Bernoulli's equation	Archimedes' Principle
12	F	Feb 12	12.4 – 12.7 13.1 – 13.2 13.3 – 13.4	Viscosity, Turbulence, Poiseuille's Law Temperature, Thermal expansion Ideal gas law	
13	M	Feb 15	13.4 – 13.6 14.1 – 14.3 14.4 – 14.7	Kinetic theory, Phase changes Heat, Heat capacity, Latent heat Conduction, convection, radiation	Gas Behavior
14	T	Feb 16	15.1 – 15.3 15.3 – 15.5 15.6 – 15.7	First, Second Laws of Thermodynamics Cycles, heat engines, refrigerators Entropy & Second Law	
15	R	Feb 18	all	**Final Exam**	