Schedule

Day		Date	Text	Topics	Exams	Labs (Fridays)
1	M	Jan 15	1.1–1.4	Introduction, units, prefixes		
2	W	Jan 17	2.1–2.4	Position, Velocity, Acceleration		
3	F	Jan 19	2.2–2.8	Constant Acceleration Problems		Uncertainties
4	M	Jan 22	2.2–2.8	Problems & Graphs		
5	W	Jan 24	3.1–3.3	Vectors	Quiz 1	
6	F	Jan 26	3.4–3.5	Two Dimensional Motion		Data Analysis
7	M	Jan 29	4.1–4.4	Newton's Laws	Quiz 2	
8	W	Jan 31	4.5–4.8	Applications		
9	F	Feb 2	5.1–5.2	Friction		Free Fall
10	M	Feb 5	5.3	Hookes Law, stress, strain	Quiz 3	
11	W	Feb 7	1.1–5.3	Review		
12	F	Feb 9	1.1–5.3	**Math & Motion**	**Exam 1**	Projectile Motion
13	M	Feb 12	6.1–6.3	Angular position and velocity		
14	W	Feb 14	6.3–6.4	Centripetal Acceleration		
15	F	Feb 16	6.5–6.6	Gravity & Orbits	Quiz 4	Kinetic Friction
16	M	Feb 19	7.1–7.3	K.E., Work & P.E.		
17	W	Feb 21	7.4–7.6	Conservative forces, energy conservation		
18	F	Feb 23	7.7–8.2	Power, momentum, impulse	Quiz 5	Ballistic Pendulum
19	M	Feb 26	8.3–8.5	Momentum conservation, collisions		
20	W	Feb 28	8.6–8.7	2-D collisions, rockets	Quiz 6	
21	F	Mar 2	9.1–9.4	Torque & Equilibrium		
Spring Break						
22	M	Mar 12	9.4–9.6	Levers, applications	Quiz 7	
23	W	Mar 14	10.1–10.3	Angular acceleration, moment of inertia		
24	F	Mar 16	10.4–10.7	Rotational energy, angular momentum		Rotational Motion
25	M	Mar 19	6.1–10.7	Review	Quiz 8	
26	W	Mar 21	6.1–10.7	**Energy, Momentum, Rotation**	**Exam 2**	
27	F	Mar 23	11.1–11.5	Fluids, density, pressure		
28	M	Mar 26	11.6–11.9	Archimedes principle		
29	W	Mar 28	12.1–12.3	Fluid flow, Bernoullis Equation		
Easter Break: Friday–Monday						
30	W	Apr 4	12.4–12.7	Poiseuilles Law, viscosity	Quiz 9	
31	F	Apr 6	13.1–13.3	Temperature, Ideal Gas Law		Archimedes Principle
32	M	Apr 9	13.4–13.6	Kinetic theory of gases		
33	W	Apr 11	14.1–14.3	Heat capacity, phase changes		
34	F	Apr 13	14.4–14.7	Conduction, convection, radiation	Quiz 10	Fluid Drag
35	M	Apr 16	15.1–15.3	First, Second Laws of Thermodynamics		
36	W	Apr 18	15.3–15.5	Cycles, heat engines, refrigerators		
37	F	Apr 20	15.6–15.7	Entropy & Second Law	Quiz 11	Gas Behavior
38	M	Apr 23	11-15	Review		
39	W	Apr 25	11-15	**Thermodynamics & Fluids**	**Exam 3**	
40	F	Apr 27	16.1–16.4	Hookes Law, periodic motion		Lab Practical Exam
41	M	Apr 30	16.5–16.8	Oscillation Energy, damping		
42	W	May 2	16.9–16.11	Waves, superposition	Quiz 12	
43	F	May 4	1–16	Review		
	T	May 8	1–16	Everything!	**Final Exam**	