

Week	Day	Date	Content	Textbook	Tutorial	Lab
1	Mon	22-Jun	Lecture 1 - Intro/Foundations/1D Motion	1.5-1.6, 2.1-2.5		Lab 0 - Hill Runner
	Wed	24-Jun	Lecture 2 - 1D Motion and Acceleration	2.6 - 3.3		
2	Mon	29-Jun	Lecture 3 - Motion Diagrams & Free-fall	3.4 - 4.2	Tut 1: Acceleration in 1-Dimension	Lab 1 - Intro to Studying Motion: The Ping-Pong Ball Bazooka, Free Fall Five: Analyzing Motion of Objects in Free Fall, Motion Graphing a Dry Ice Puck on Ramp
	Wed	1-Jul	Lecture 4 - Inertia and Momentum	4.3 - 5.1		
3	Mon	6-Jul	Lecture 5 - Kinetic Energy & Collisions	5.2 - 5.8	Tut 2: Systems and Momentum	Lab 2 - Blowdart Cart Collision, Glider
	Wed	8-Jul	Lecture 6 - Principle of Relativity	6.1 - 6.8		
4	Mon	13-Jul	Lecture 7 - Transfer of Energy	7.1 - 7.6	Tut 3: Kinetic and Internal Energy	Lab 3: Boy on a Surfboard
	Wed	15-Jul	<b>EXAM 1</b>			
5	Mon	20-Jul	Lecture 8 - Potential Energy and Forces	7.7 - 8.3	Tut 4: Forces and Newton's Laws	Lab 4: Mathematical Modeling: Height vs Velocity for a Puck on a Ramp, Toy Car Investigation, Force and Motion During a Hockey Slapshot
	Wed	22-Jul	Lecture 9 - Springs and Impulse	8.4 - 8.10		
6	Mon	27-Jul	Lecture 10 - Work and Energy	9.1 - 9.8	Tut 5: Work and Conservation of Energy	Lab 5: Work - Energy Activity, Forces on Objects on a Ramp
	Wed	29-Jul	Lecture 11 - Friction and 2D Motion	10.1 - 10.7		
7	Mon	3-Aug	Lecture 12 - 2D Motion and Circular Motion	10.8 - 11.4	Tut 6: Motion in Two Dimensions	Lab 6: Friction: sliding on an inclined plane, Analyzing Rotational Motion using a Bicycle Drivetrain
	Wed	5-Aug	<b>EXAM 2</b>			
8	Mon	10-Aug	Lecture 13 - Angular Momentum & Torque	11.5 - 12.4	Tut 7: Dynamics of Rigid Bodies	Lab 7: Torque and the Human Knee Joint, Rotational Collision: Dart Collides with Wooden Stick
	Wed	12-Aug	Lecture 14 - Torque and Energy	12.5 - 13.1		
9	Mon	17-Aug	Lecture 15 - Gravity	13.2 - 13.7		
	Wed	19-Aug	<b>FINAL EXAM</b>			