

Week	Day	Date	Lecture	Reading	Topic
1	Th	26-Sep	1	Handout	Introduction/ Scaling
2	T	1-Oct	2	1.1 - 1.6, 2.1 - 2.2	Representing Motion & 1D Motion
	T(night)	1-Oct	<i>Tutorial 1</i>		<i>Scaling</i>
3	Th	3-Oct	3	1.6 ^a , 2.3 - 2.4, 2.5 ^b	Acceleration
	T	8-Oct	4	2.7, 1.6, 3.1 - 3.3	Free-Fall and Vectors
	T(night)	8-Oct	<i>Tutorial 2</i>		<i>Representations of Motion</i>
	Th	10-Oct	5	3.4 - 3.6	Projectile Motion
4	T	15-Oct	6	4.1 - 4.6	Newton's laws
	T(night)	15-Oct	<i>Tutorial 3</i>		<i>Acceleration in 1-Dimension</i>
	Th	17-Oct	7	4.7, 5.1 - 5.4	Applying Newton's laws
5	T	22-Oct		No lecture	
	T(night)	22-Oct	Midterm 1	Covering Sections 1.1-4.6 & Tutorials 1-3	
6	Th	24-Oct	8	5.5 ^c - 5.6	Friction, Drag & Reynolds Number
	T	29-Oct	9	5.7 - 5.8	Interacting objects & Tension
	T(night)	29-Oct	<i>Tutorial 4</i>		<i>Newton's Second and Third Law</i>
7	Th	31-Oct	10	3.7, 6.1 - 6.3, 7.1 - 7.2 ^d	Circular Motion/Rotational Motion
	T	5-Nov	11	7.3 - 7.5	Torque and Center of Gravity
	T(night)	5-Nov	<i>Tutorial 5</i>		<i>Tension</i>
	Th	7-Nov	12	7.6 ^e , 8.1 & 8.5	Rotational Dynamics & Static Equilibrium
8	T	12-Nov		No lecture	
	T(night)	12-Nov	Midterm 2	Covering Sections 4.7-7.6, 8.1, 8.5 & Tutorials 4-5	
9	Th	14-Nov	13	8.2 - 8.4	Stat. Equilib, Hooke's law, Stretching and Compressing
	T	19-Nov	14	9.1 - 9.3	Impulse and Momentum
	T(night)	19-Nov	<i>Tutorial 6</i>		<i>Biomechanics Torque</i>
10	Th	21-Nov	15	9.4 - 9.5	Conservation of Momentum
	T	26-Nov	16	10.1 - 10.4	Work, Kinetic Energy & Potential Energy
	T(night)	26-Nov	<i>Tutorial 7</i>		<i>Conservation of Momentum</i>
11	Th	28-Nov	Holiday		
	T	3-Dec	17	10.5 - 10.6	Thermal Energy & Conservation of Energy
	T(night)	3-Dec	<i>Tutorial 8</i>		<i>Conservation of Energy</i>
12	Th	5-Dec	18	10.7, 10.9 & 10.10	Energy in Collisions and Power
	T	10-Dec	Final Exam: Comprehensive in PAA A102 10:30 AM - 12:20 PM		

^a Velocity Vectors section

^b Constant acceleration kinematics only in the context of free fall or constant friction

^c no rolling friction

^d no rotational kinematics with constant angular acceleration

^e no constraints due to ropes and pulleys