

Week	Day	Date	Lecture	Reading	Topic
1	M	29-Mar	0		Introduction
	T	30-Mar	1	Handout	Scaling
	W	31-Mar	Tutorial 1	Handout	Scaling
	F	02-Apr	2	1.1 - 1.4	Representing motion
2	M	05-Apr	3	2.1 - 2.3	One-Dimensional Motion
	T	06-Apr	4	1.6a, 2.4	Acceleration
	W	07-Apr	Tutorial 2		Representations of Motion
	F	09-Apr	5	2.5b & 2.7	Free Fall
3	M	12-Apr	6	1.6 & 3.1 - 3.4	Vectors and Motion
	T	13-Apr	Tutorial 3		Acceleration in 1-Dimension
	W	14-Apr	7	3.5 - 3.6	Projectile Motion
	F	16-Apr	8	4.1 - 4.4	Forces
4	M	19-Apr	9	4.5 - 4.7	Newton's Laws
	T	20-Apr	10	5.1 - 5.4	Applying Newton's Laws
	W	21-Apr	11	5.5c	Friction
	F	23-Apr	Tutorial 4		Newton's Second and Third Law
5	M	26-Apr	self-study		
	T(night)	27-Apr	Midterm 1	5:00 pm - 6:00 pm (PDT)	
	W	28-Apr	12	5.6	Drag & Reynolds number
	F	30-Apr	13	5.7 - 5.8	Interacting Objects / Ropes & Pulleys
6	M	03-May	Tutorial 5		Tension
	T	04-May	14	3.7, 6.1 - 6.3	Circular Motion
	W	05-May	15	7.1 - 7.2d	Rotational Motion
	F	07-May	16	7.3 - 7.4	Torque & Center of gravity
7	M	10-May	17	7.5 - 7.6e	Rotational Dynamics
	T	11-May	18	8.1 & 8.5	Static Equilibrium
	W	12-May	Tutorial 6		Biomechanics Torque
	F	14-May	19	8.2 - 8.3	Stat. Equi. Springs and Hooke's Law
8	M	17-May	20	8.4	Stretching and Compressing Materials
	T	18-May	21	9.1 - 9.3	Impulse and Momentum
	W	19-May	22	9.4 - 9.5	Conservation of Momentum
	F	21-May	Tutorial 7		Conservation of Momentum
9	M	24-May	23	10.1 - 10.3	Work and Kinetic Energy
	T(night)	25-May	Midterm 2	5:00 pm - 6:00 pm (PDT)	
	W	26-May	24	10.4	Potential Energy
	F	28-May	25	10.5 - 10.6	Thermal Energy and Conservation of Energy
10	M	31-May	Holiday		
	T	01-Jun	26	10.6 - 10.7	More Conservation of Energy
	W	02-Jun	Tutorial 8		Conservation of Energy
	F	04-Jun	27	10.9 & 10.10	Energy in collision and Power
11	T	8-Jun	Final 1	2:30 pm - 4:20 pm (PDT)	
	Th	10-Jun	Final 2	8:30 am - 10:20 am (PDT)	

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