

Week	Day	Date	Topic	HW posted	HW due
1	Thurs	28-Aug	Vectors	1	
2	Tues	2-Sep	Kinematics		
2	Thurs	4-Sep	Polar coordinates	2	1
3	Tues	9-Sep	Newton's laws		
3	Thurs	11-Sep	Application of Newton's laws	3	2
4	Tues	16-Sep	Forces		
4	Thurs	18-Sep	Momentum	4	3
5	Tues	23-Sep	Flow of mass		
5	Thurs	25-Sep	Energy and work	5	4
6	Tues	30-Sep	Potential energy, collisions		
6	Thurs	2-Oct	Angular momentum	--	5
7	Tues	7-Oct	MIDTERM 1 (hw 1-5)		
7	Thurs	9-Oct	Rotational dynamics	6	--
8	Tues	14-Oct	Rigid body motion, gyroscopes		
8	Thurs	16-Oct	Non-inertial systems	7	6
9	Tues	21-Oct	Rotating frames, Central forces		
9	Thurs	23-Oct	Planetary motion	8	7
10	Tues	28-Oct	Orbits, Kepler's laws		
10	Thurs	30-Oct	SHM	--	8
11	Tues	4-Nov	Damped and driven oscillators		
11	Thurs	6-Nov	MIDTERM 2 (hw 1-8)	9	--
12	Tues	11-Nov	Resonance, coupled oscillators		
12	Thurs	13-Nov	Normal modes	10	9
13	Tues	18-Nov	Traveling waves		
13	Thurs	20-Nov	Wave phenomena	11	10
14	Tues	25-Nov	3D waves, fluids		
14	Thurs	27-Nov	THANKSGIVING		
15	Tues	2-Dec	Special relativity		11
15	Thurs	4-Dec	Review		