

10/4/22

Class Week	LECT	Date	Day	Topic	Subtopics	Textbook refs. Chap.sections	HW due
0	1	Aug 22	M	Measurement	Introduction & Measurements	1.1-6	
	2	Aug 24	W	Vectors	Vectors & Motion	1.7-10; 3.1	
	3	Aug 26	F		Reference Frames	3.5	1
1	4	Aug 29	M	1-D Motion	Velocity & Acceleration in 1-D	3.1,2; 2.1-6	
	5	Aug 31	W	2 & 3-D Motion	Projectiles	3.3	
	6	Sep 2	F		Circular & Curvilinear Motion	3.1,2,4	2
2		Sep 5	M	<b>LABOR DAY (no classes)</b>			
	7	Sep 7	W	Force	Interactions & Forces	4.1-3,5; 5.5	(3)
	8	Sep 9	F		Gravity & Newton's Laws	4.3-6; 13.1,2	
		Sep 9	F	<b>Opt-out date for Instant Access</b>			
3	9	Sep 12	M	Using	Statics & Dynamics	5.1,2	
	10	Sep 14	W	Newton's Laws	Dynamics & Statics	5.1,2	
		Sep 15	R		<b>PRELIM EXAM 1 (730 PM ET)</b>		
	11	Sep 16	F		Friction & Drag	5.3	
4	12	Sep 19	M		More Friction & Drag	5.3	
	13	Sep 21	W		Dynamics of Circular Motion	5.4; 13.4	
	14	Sep 23	F	Energy	Work & Energy	6.1-3	4
5	15	Sep 26	M		Potential Energy	7.1-3	
	16	Sep 28	W		Conservation of Energy applications	7.1-3	
	17	Sep 30	F		Energy Graphs: PE & Force	7.4,5; 13.3	5
6	18	Oct 3	M		Power	6.4	
	19	Oct 5	W		Momentum & Impulse	8.1,2	
	20	Oct 7	F		Collisions	8.3,4	6
7		Oct 10	M	<b>FALL BREAK</b>			
		Oct 11	T	<b>(no classes)</b>			
	21	Oct 12	W		Center-of-Mass	8.5	
	22	Oct 14	F		Recoil & Propulsion	8.6	7
8	23	Oct 17	M	Rotational	Rotational Kinematics	9.1-3	
	24	Oct 19	W	Motion	Rotational Energy & Inertia	9.4-6; 10.3	
	25	Oct 21	F		Torque & Rotational Dynamics	10.1-4	(8)
9	26	Oct 24	M	Equilibrium	Rotational Equilibrium	11.1-3	
		Oct 25	T	<b>PRELIM EXAM 2 (730 PM ET)</b>			Ch 5,6,7,8,9; 10.3; 13.3,4
	27	Oct 26	W		More Rotational Equilibrium	11.1-3	
	28	Oct 28	F	Angular	Angular Momentum	10.5,6	
10	29	Oct 31	M	Momentum	More Angular Momentum	10.5,6	
	30	Nov 2	W		Gyroscopes & Precession	10.7	
	31	Nov 4	F	Oscillations	SHM Kinematics & Energy	14.1-3	9
11	32	Nov 7	M		SHM Dynamics & Applications	14.4-6	
	33	Nov 9	W		Driven SHM & Resonance	14.7,8	
	34	Nov 11	F		TBA		10
12	35	Nov 14	M	Thermal	Temperature & Heat	17.1-3	
	36	Nov 16	W	Physics	Heat Transfer	17.5,6,7	
	37	Nov 18	F		Ideal Gas & Kinetic Theory	18.1-4,(5)	11
	38	Nov 21	M		1st Law of Thermodynamics	19.1-4	
		Nov 23	W	<b>THANKSGIVING BREAK</b>			
		Nov 25	F	<b>(no classes)</b>			
13	39	Nov 28	M		Ideal Gas Processes	19.5-8	
	40	Nov 30	W		Heat Engines	20.2-4	
	41	Dec 2	F		2nd Law of Thermodynamics	20.1,5,6	12
14	42	Dec 5	M		TBA		
		Dec 7	W	<b>STUDY PERIOD</b>			(13)
		Dec 9	F		↓		
				<b>FINAL EXAM</b>			Ch 14; 10.1-7; 11.1-3; 17-20
		Dec 17	Sa	<b>LAST DAY OF EXAMS</b>			

This syllabus is subject to revision. Updates will be announced as they occur.