

*Physics 8A, Lecture 2, Fall 2015*

Week Of	Topics	Chapter	HW On	Lab	Worksheets
24-Aug	Th: Introduction, Strategies, 1D Kinematics	1.1-1.4; 2.1 - 2.3			
31-Aug	Tu: 1D Kinematics and problem solving	2.4 - 2.5	Intro to Mastering Physics	Acceleration	
	Th: 2D Kinematics	3.1 - 3.3			
7-Sep	Tu: 2D Kinematics, Projectile Motion, Circular Motion	3.4 - 3.6	Ch 2		
	Th: Dynamics I	4.1 - 4.3			
14-Sep	Tu: Dynamics II	4.4 - 4.6	Ch 3	Analyze Projectile Motion	
	Th: Dynamics III	5.1 - 5.4			
21-Sep	Tu: Work, Kinematic Energy	6.1 - 6.5	Ch 4		
	Th: Work and Conservative forces	7.1			
28-Sep	Tu: Potential energy, and Cons. of Mech Energy	7.2 - 7.5	Ch 5/6	Analyze Ball Toss	
	Th: Gravity	8.1 - 8.4			
5-Oct	Tu: System of Particles	9.1 - 9.3	Ch 7		
	Th: <i>Cons of Momentum or Q&amp;A Session, MT1 given 10/8 evening</i>				
12-Oct	Tu: Conservation of Momentum	9.4 - 9.6	Ch 8/9	Analyze Walking/Running	
	Th: Rotational Kinematics, Torques	10.1 - 10.5			
19-Oct	Tu: Torques, Angular Momentum	11.3 - 11.4	Ch9	Rotation/Statics of Arm	
	Th: Statics	12.1 - 12.4			
26-Oct	Tu: Fluids: hydrostatics	15.1 - 15.3	Ch 10/11	Fluids	
	Th: Fluids: dynamics	15.4 - 15.5			
2-Nov	Tu: Oscillatory Motion I	13.1 - 13.5	Ch 12/15		
	Th: <i>Oscillatory Motion or Q&amp;A session; MT2 given 11/5 evening</i>				
9-Nov	Tu: Oscillatory Motion II, Waves I	14.1 - 14.4	Ch 15/13		
	Th: Waves II	14.6 - 14.8			
16-Nov	Tu: Heat, Temperature, Heat Capacity	16.1 - 16.4	Ch 14	Sound	
	Th: Gasses, Phase Transitions, Thermal Expansion	17.1 - 17.3			
23-Nov	Tu: First Law of Thermodynamics I	18.1 - 18.3	Ch 16/17		
	Th: Thanksgiving Break				
30-Nov	Tu: First Law of Thermodynamics II	18.1 - 18.3	Ch 18	Ideal Gas Law	
	Th: Second Law of Thermodynamics	19.1 - 19.4			
7-Dec	Tu: Th:	<i>RRR Week, HW on Ch 18/19 Due</i>			
14-Dec	<i>Final Exam, Wed, Dec 16, 8AM - 11AM</i>				

*This is the overall plan at the beginning of the semester. It will almost certainly change as the semester progresses.*