

Physics 4A - TENTATIVE SCHEDULE- Spring 2017

PHY 4A January 2017						
Week 1	16	17	18	19 <i>LAB 1 Measurement and Graphing</i>	20 Ch. 1: Introduction	
Week 2	23 Ch. 1: Units	24	25 Ch. 2 Uniform motion-velocity	26 <i>LAB 2 Acceleration Due to Gravity</i>	27 Ch. 2 Uniform motion- Free-fall	

PHY 4A February 2017						
	Monday	Tuesday	Wednesday	Thursday	Friday	
Week 3	30 Ch. 2 Inclined plane	31	1 Ch. 3 Vectors	2 <i>LAB 3 Vector Addition and Forces</i>	3 Ch. 3 Vectors	
Week 4	6 Ch. 4 Projectile motion	7	8 Ch. 4 Projectile motion	9 <i>LAB 4 Projectile Motion</i>	10 Laura Gone	
Week 5	13 Exam 1	14	15 Ch. 5 Overview Newton's Laws	16 <i>Free Body Diagrams</i>	17 Holiday	
Week 6	20 Holiday	21	22 Ch. 6 Newton's 2nd Law	23 <i>LAB 6 Newton's Second Law</i>	24 Ch. 6 Equilibrium	

PHY 4A March 2017

	Monday	Tuesday	Wednesday	Thursday	Friday	
Week 7	27 Ch. 6 Friction	28	1 Ch. 7 Newton's 3rd Law	2 LAB 7 Newton's 3rd Law	3 Ch. 7 Ropes and Pulleys	
Week 8	6 Ch. 7 Problems	7	8 Exam 2	9 LAB 5 Drag Force on a Coffee Filter	10 Ch. 9 Work and Kinetic Energy	
Week 9	13 Ch. 9 Restoring forces	14	15 Ch. 9 Dissipative Forces	16 LAB 9 Conservation of Mechanical Energy	17 Ch. 10 Potential Energy	
Week 10	20 Ch. 10 Conservation of Energy	21	22 Ch. 10 Problems	23 LAB 10 The Simple Pendulum	24 Ch. 11 Impulse and Momentum	
Week 11	27 Ch. 11 Conservation of Momentum	28	29 Ch. 11 Momentum Problems	30 LAB 11 Inelastic Collisions	31 Holiday	

PHY 4A April 2017

	Monday	Tuesday	Wednesday	Thursday	Friday	
Week 12	3 Exam 3	4	5 Back to Ch. 4 Centripetal Forces	6 LAB 8 Centripetal Force	7 Ch. 8 Centripetal Force	

	10 Spring Break	11 Spring Break	12 Spring Break	13 Spring Break	14 Spring Break	
Week 13	17 Ch. 12 Rotational Kinematic	18	19 Ch. 12 Torque and Center of Mass	20 <i>LAB 13</i> <i>Torque</i>	21 Ch. 12 Moment of Inertia	
Week 14	24 Ch. 12 Rotational Dynamics	25	26 Ch. 12 Statics Problems	27 <i>LAB 14</i> <i>Rotational</i> <i>Dynamics</i>	28 Ch. 12 Angular Momentum	

PHY 4A May 2017

	Monday	Tuesday	Wednesday	Thursday	Friday	
Week 15	1 Ch. 14 Density and Pressure	2	3 Ch. 14 Buoyancy	4 <i>LAB 15</i> <i>Archimedes'</i> <i>Principle</i>	5 Ch. 14 Fluid Dynamics	
Week 16	8 Chapter 14 Problems	9	10 Exam 4	11 <i>LAB 16</i> <i>SHM</i>	12 Ch. 15 SHM	
Week 17	15 Ch. 15 Describing SHM	16	17 Ch. 15 SHM and Energy	18 <i>LAB 12</i> <i>Ballistic</i> <i>Pendulum</i>	19 Ch. 15 Resonance	
Week 18	22 Finals	23 Finals	24 Finals	25 Finals	26 Finals	