Physics 121 Spring 2021
Course Schedule

Textbook
Principles and Practice of Phyiscs
Eric Mazur

Week	Day	Date	Lectu	Reading	Topic	Tutorial	Lab
	M	29-Mar	1	1.5 and 1.6	Intro/Foundations		
1	W	31-Mar	2	2.1 - 2.8	1D motion	Tutorial prep	Intro Lab
	F	2-Apr	3	2.9 - 3.4	Change in velocity		
	M	5-Apr	4	3.5 - 3.8	Constant acceleration	Acceleration in one dimension	
2	W	7-Apr	5	4.1 - 4.7	Momentum		Pivot lab 1
	F	9-Apr	6	4.8 - 5.3	Kinetic and internal energy		
	M	12-Apr	7	5.4 - 5.8	Conservation of energy	Systems and Momentum	
3	W	14-Apr	8	6.1 - 6.4	Relativity		Pivot lab 2
	F	16-Apr	9	6.5 - 6.8	Center of mass		
	M	19-Apr	10	7.1 - 7.6	Transfer of energy	Kinetic and internal energy	
4	W	21-Apr	11	7.7 - 8.2	Interactions and Grav. potential energy		Pivot lab 3
	F	23-Apr	12	8.3 - 8.7	Forces & Equation of Motion		
	M	26-Apr	13	8.8 - 8.12	Hooke's Law and Impulse		
5	W	28-Apr	14	9.1 - 9.4	Work and Energy Diagrams	Forces and Newton's Laws	Pivot lab 4
	Th(night)	**29-Apr**	**Midterm 1**				
	F	30-Apr	15	9.5 - 9.8	Work and power		
	M	3-May	16	10.1 - 10.4	2D motion	Work and conservation of ernergy	
6	W	5-May	17	10.5 - 10.6	Vector algebra		Pivot lab 5
	F	7-May	18	10.7 - 10.8	Projectiles		
	M	10-May	19	10.9 - 10.10	Coefficients of friction	Potential energy diagrams	
7	W	12-May	20	11.1 - 11.2	Circular motion		Pivot lab 6
	F	14-May	21	11.3 - 11.4	Rotational kinematics		
	M	17-May	22	11.5 - 11.6	Angular momentum		
8	W	19-May	23	12.1 - 12.2	Torque	Motion in two-dimensions	Pivot lab 7
	Th(night)	**20-May**	**Midterm 2**				
	F	21-May	24	12.3 - 12.5	Conservation of angular momentum		
	M	24-May	25	12.6 - 12.7	Rolling motion	Dynamics of rigid bodies	
9	W	26-May	26	12.8	Rotation vectors		Pivot lab 8
	F	28-May	27	13.1 - 13.3	Universal gravity		
	M	**31-May**		**HOLIDAY**		Angular momentum	
10	W	2-Jun	28	13.4 - 13.6	Gravitational potential energy		Make up
	F	4-Jun			REVIEW		