Physics 121 Winter 2020
Course Schedule

Textbook
Principles and Practice of Phyiscs
Eric Mazur

Week	Day	Date	Lectu	Reading	Topic	Tutorial	Lab
1	M	04-Jan	1	1.5, 1.6, 2.1	Intro/Foundations	No Tutorial	Pivot lab 0
	W	06-Jan	2	2.2 - 2.8	1D motion		
	F	08-Jan	3	2.9 - 3.4	Change in velocity		
2	M	11-Jan	4	3.5 - 3.8	Constant acceleration	Acceleration in one dimension	Pivot lab 1
	W	13-Jan	5	4.1 - 4.7	Momentum		
	F	15-Jan	6	4.8 - 5.3	Kinetic and internal energy		
3	**M**	**18-Jan**	**Holiday**			Systems and Momentum	Pivot lab 2
	W	20-Jan	7	5.4 - 5.8	Conservation of energy		
	F	22-Jan	8	6.1 - 6.4	Relativity		
4	M	25-Jan	9	6.5 - 6.8	Center of mass	Kinetic and internal energy	Pivot lab 3
	W	27-Jan	10	7.1 - 7.6	Transfer of energy		
	F	29-Jan	11	7.7 - 8.2	Interactions and Grav. potential energy		
5	M	01-Feb	12	8.3 - 8.7	Forces & Equation of Motion	Forces and Newton's Laws	Pivot lab 4
	W	03-Feb	13	8.8 - 8.12	Hooke's Law and Impulse		
	Th(night)	**04-Feb**	**Midterm 1**				
	F	05-Feb	14	9.1 - 9.4	Work and Energy Diagrams		
6	M	08-Feb	15	9.5 - 9.8	Work and power	Work and conservation of ernergy	Pivot lab 5
	W	10-Feb	16	10.1 - 10.4	2D motion		
	F	12-Feb	17	10.5 - 10.6	Vector algebra		
7	**M**	**15-Feb**	**Holiday**			Potential energy diagrams	Pivot lab 6
	W	17-Feb	18	10.7 - 10.8	Projectiles		
	F	19-Feb	19	10.9 - 10.10	Coefficients of friction		
8	M	22-Feb	20	11.1 - 11.2	Circular motion	Motion in two-dimensions	Pivot lab 7
	W	24-Feb	21	11.3 - 11.4	Rotational kinematics		
	Th(night)	**25-Feb**	**Midterm 2**				
	F	26-Feb	22	11.5 - 11.6	Angular momentum		
9	M	01-Mar	23	12.1 - 12.3	Torque	Dynamics of rigid bodies	Pivot lab 8
	W	03-Mar	24	12.4 - 12.5	Conservation of angular momentum		
	F	05-Mar	25	12.6 - 12.7	Rolling motion		
10	M	08-Mar	26	12.8	Rotation vectors	Angular momentum	Make up
	W	10-Mar	27	13.1 - 13.5	Universal gravity		
	F	12-Mar	28	13.6 - 13.7	Gravitational potential energy		