

Sahyun			Physics 130 Physics Foundations Schedule		Spring 2022	Updated 1/12/2022
Text: Kirkpatrick and Francis: Physics: A Conceptual World View, 7th ed.						
Week	Class	Date	Read and post	Chapter/Topic	Assignment Due	Laboratory
1	1	Tue	18-Jan	01: Intro and A World View		No Lab!
	2	Wed	19-Jan	02: Describing Motion		
	3	Thu	20-Jan	02 (Continued)	HW01	
2	4	Tue	25-Jan	03: Explaining Motion	HW02	Lab 01: Intro and Safety
	5	Wed	26-Jan	04: Motions in Space		
	6	Thu	27-Jan	04: (Continued)	HW03	
3	7	Tue	1-Feb	05: Gravity	HW04	Lab 02: Measurements
	8	Wed	2-Feb	06: Momentum		
	9	Thu	3-Feb	06: (Continued)	HW05	
4	10	Tue	8-Feb	07: Energy	HW06	Lab 03: Free Fall
	11	Wed	9-Feb	08: Rotation		
	12	Thu	10-Feb	08 (Continued)	HW07	
5	13	Tue	15-Feb	09: Classical Relativity	HW08	Lab 04: Simple Pendulum
	14	Wed	16-Feb	10: Einstein's Relativity	HW09	
	15	Thu	17-Feb	10: Continued and Review	HW10	
6	16	Tue	22-Feb	Exam 1 (1-10)		Lab 05: Projectile Motion
	17	Wed	23-Feb	11: Structure of Matter		
	18	Thu	24-Feb	12: States of Matter		
7	19	Tue	1-Mar	12 (Continued)	HW11	Lab 06: Buoyancy
	20	Wed	2-Mar	13: Thermal Energy	HW12	
	21	Thu	3-Mar	14: Available Energy		
8	22	Tue	8-Mar	14 (Continued)	HW13	Lab 07: Internal Energy
	23	Wed	9-Mar	15: Vibrations and Waves	HW14	
	24	Thu	10-Mar	16: Sound and Music		
9	25	Tue	15-Mar	16 (Continued)	HW15	Lab 08: Standing Waves
	26	Wed	16-Mar	17: Light	HW16	
	27	Thu	17-Mar	18: Refraction of Light	HW17	
10				Spring Break		
11	28	Tue	29-Mar	18 (Continued)		Lab 09: Optics
	29	Wed	30-Mar	19: Model of Light	HW18	
	30	Thu	31-Mar	Review	HW19	
12	31	Tue	5-Apr	Exam 2 (11-19)		Lab 10: Electric Fields/SA
	32	Wed	6-Apr	20: Electricity		
	33	Thu	7-Apr	21: Electric Current		
13	34	Tue	12-Apr	21 (Continued)	HW20	Lab 11: Circuits
	35	Wed	13-Apr	22: Electromagnetism	HW21	
	36	Thu	14-Apr	23: The Early Atom		
14	37	Tue	19-Apr	23 (Continued)	HW22	Lab 12: Magnetic Fields
	38	Wed	20-Apr	24: The Modern Atom	HW23	
	39	Thu	21-Apr	25: The Nucleus		
15	40	Tue	26-Apr	25 (Continued)	HW24	Lab 13: Radioactive Decay
	41	Wed	27-Apr	26: Nuclear Energy	HW25	
	42	Thu	28-Apr	27: Elementary Particles		
16	43	Tue	3-May	27 (Continued)	HW26	Lab 14: TBA
	44	Wed	4-May	28: Frontiers of Physics	HW27	
	45	Thu	5-May	Review	HW28	
17	46	Thu	12-May	Final Exam (20-28) 2:30 - 4:30 pm		