

2020

August

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
27	28	29	30	31
03	04	05	06	07
10	11	12	13	14
17	18	19	20 First Day of Class Intro, Review: Inertial Frames	21
24	25 SR: Transformations, SR Postulates Knight: 37.1-3	26	27 SR: Simultaneity, Time Dilation Knight: 37.4-6	28
31	01 SR: Time Dilation Knight: 37.7-8	Notes: Reading assignments to be completed BEFORE each day's class are listed at the bottom. "UP" means "Understanding Physics" by Cummings, Laws, Redish, and Cooney. "Knight", OpenStax, or other PDFs are available on the class Resources Page.		

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September

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
31	01 SR: Time Dilation Knight: 37.7-8	02	03 SR: Length Cont., Lorentz Transform	04
07	08 Wind Day - Class Canceled	09	10 HW 1 Due SR: Spacetime Diagrams Handout: Spacetime Diagrams	11
14	15 SR: Momentum and Energy Knight: 37.9-10	16	17 SR: Momentum and Energy	18
21	22 SR: Conservation, 4-Vectors, Causality	23	24 HW 2 Due Waves: Review SHM, Types, Sinusoidal UP: 17.1-17.4 OR OpenStxVol1: 16.1-2	25
28	29 Waves: Velocity, Energy UP: 17.5-7 OR OpenStxVol1: 16.3-4	30	01 Waves: Velocity, Energy (continued) UP: 17.8-17.11 OR OpenStxVol1: 16.5-6	02
05	06 W: Superpos. Interference OpenStxVol1: 17.5-6 OR UP: 18.5-6	Notes: Reading assignments to be completed BEFORE each day's class are listed at the bottom. "UP" means "Understanding Physics" by Cummings, Laws, Redish, and Cooney. "Knight", OpenStax, or other PDFs are available on the class Resources Page.		

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October

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
28	29 Waves: Velocity, Energy UP: 17.5-7 OR OpenStxVol1: 16.3-4	30	01 Waves: Velocity, Energy (continued) UP: 17.8-17.11 OR OpenStxVol1: 16.5-6	02
05	06 W: Superpos. Interference OpenStxVol1: 17.5-6 OR UP: 18.5-6	07	08 W: Standing Waves, Beats	09
12	13 Exam 1: SR and Waves	14	15 HW 3 Due QM: EM Spectrum, Lab: Young's 2x Slit OpenStxVol2: 16.5 AND OpenStxVol3: 1.6, 3.1, 3.2	16
19	20 QM: Blackbody Rad., Compton Eff. OpenStxVol3: 6.1, 6.3	21	22 Rejuvenation Break No Class	23
26	27 QM: Photoelectric Effect OpenStxVol3: 6.2	28	29 QM: Photoelectric Effect	30
02	03 Lab 2 Due QM: Spectroscopy, Bohr Model OpenStxVol3: 6.4	Notes: Reading assignments to be completed BEFORE each day's class are listed at the bottom. "UP" means "Understanding Physics" by Cummings, Laws, Redish, and Cooney. "Knight", OpenStax, or other PDFs are available on the class Resources Page.		

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November

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
26	27 QM: Photoelectric Effect OpenStxVol3: 6.2	28	29 QM: Photoelectric Effect	30
02	03 Lab 2 Due QM: Spectroscopy, Bohr Model OpenStxVol3: 6.4	04	05 HW 4 Due QM: Spectroscopy, Bohr Model	06
09	10 QM: Spectroscopy, Bohr Model	11	12 QM: De Broglie OpenStxVol3: 6.5, 6.6, What Is Matter? PDF	13
16	17 QM: Matter Waves Knight: 40.1, 40.2	18	19 1DQM: Probability Density Knight: 40.3-5	20
23	24 1DQM: Wavefunctions Knight: 40.6	25	26 Thanksgiving Break	27
30	01 HW 5 Due 1DQM: Heisenburg Uncertainty	Notes: Reading assignments to be completed BEFORE each day's class are listed at the bottom. "UP" means "Understanding Physics" by Cummings, Laws, Redish, and Cooney. "Knight", OpenStax, or other PDFs are available on the class Resources Page.		

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December

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
30	01 HW 5 Due 1DQM: Heisenburg Uncertainty	02	03 Last Day of Class Exam 2: Quantum Mechanics	04
07	08	09	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	01
04	05	10 Notes: Reading assignments to be completed BEFORE each day's class are listed at the bottom. "UP" means "Understanding Physics" by Cummings, Laws, Redish, and Cooney. "Knight", OpenStax, or other PDFs are available on the class Resources Page.		