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	SR: Simultaneity, Time Dilation  Knight: 37.4-6	28
31	O1 SR: Time Dilation Knight: 37.7-8	"UP" means "Understar	o be completed BEFORE each day's class are listed nding Physics" by Cummings, Laws, Redish, and other PDFs are available on the class Resources I	Cooney.

2020 September

Instructor: Dr. Christopher Cline

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
31	01	02	03	04
	SR: Time Dilation  Knight: 37.7-8		SR: Length Cont., Lorentz Transform	
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	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	Waves: Velocity, Energy UP: 17.5-7 OR OpenStxVol1: 16.3-4	30	O1 Waves: Velocity, Energy (continued) UP: 17.8-17.11 OR OpenStxVol1: 16.5-6	02
05	O6 W: Superpos. Interference OpenStxVol1: 17.5-6 OR UP: 18.5-6	"UP" means "Understand	e completed BEFORE each day's class are listed at t ing Physics" by Cummings, Laws, Redish, and Coo her PDFs are available on the class Resources Page	ney.

#### 2020

### October

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
28	29	30	01	02
	Waves: Velocity, Energy UP: 17.5-7 OR OpenStxVol1: 16.3-4		Waves: Velocity, Energy (continued) UP: 17.8-17.11 OR OpenStxVol1: 16.5-6	
05	06	07	08	09
05	00	07	08	03
	W: Superpos. Interference		W: Standing Waves, Beats	
	OpenStxVol1: 17.5-6 OR UP: 18.5-6			
12	13	14	15 <b>HW 3 Due</b>	16
	Exam 1: SR and Waves		QM: EM Spectrum, Lab: Young's 2x Slit OpenStxVol2: 16.5 AND	
			OpenStxVol3: 1.6, 3.1, 3.2	
19	20	21	22	23
	QM: Blackbody Rad., Compton Eff.		Rejuvenation Break	
	OpenStxVol3: 6.1, 6.3		No Class	
26	27	28	29	30
	QM: Photoelectric Effect		QM: Photoelectric Effect	
	OpenStxVol3: 6.2			
02	O3 Lab 2 Due QM: Spectroscopy, Bohr Model		o be completed BEFORE each day's class are listed at and inding Physics" by Cummings, Laws, Redish, and Coc	

"Knight", OpenStax, or other PDFs are available on the class Resources Page.

Physics 301 Fall 2020

Instructor: Dr. Christopher Cline

OpenStxVol3: 6.4

## 2020

## November

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
26	27	28	29	30
	QM: Photoelectric Effect		QM: Photoelectric Effect	
	QIVI I Hotocicotino Errect		QIMIT Hotoelessins Effect	
	OpenStxVol3: 6.2			
02	03 Lab 2 Due	04	05 <b>HW 4 Due</b>	06
	QM: Spectroscopy, Bohr Model		QM: Spectroscopy, Bohr Model	
			<b>4</b> • F	
	OpenStxVol3: 6.4			
09	10	11	12	13
	QM: Spectroscopy, Bohr Model		QM: De Broglie	
	dan specific and an area		OpenStxVol3: 6.5, 6.6, What Is Matter?	
			PDF	
16	17	18	19	20
	QM: Matter Waves		1DQM: Probability Density	
	Knight, 40.1, 40.2		Knight, 40.2 F	
23	Knight: 40.1, 40.2	25	Knight: 40.3-5 26	27
25	24	23	Thanksgiving Break	21
	1DQM: Wavefunctions			
	W I 40.5			
20	Knight: 40.6	Notes		
30	01 HW 5 Due	Notes:	e completed BEFORE each day's class are listed at t	hahattam
	1DQM: Heisenburg Uncertainty		ng Physics" by Cummings, Laws, Redish, and Coo	
	22 Q Helderidan of the family		her PDFs are available on the class Resources Page	
		Kingiit, Openstax, 01 0t	inci i bi saic avallable off the class hesoulces rage	••

2020

# 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	10	31	01
04	05	"UP" means "Understandi	e completed BEFORE each day's class are listed at t ng Physics" by Cummings, Laws, Redish, and Coo her PDFs are available on the class Resources Page	ney.