

PHYS 6320 Classical & Modern Physics II E/M, Optics, & Waves						Assignment	
Week	Week	Day	Month	Lecture	Subject	Giancoli	Due
	Day			Video		Ed. 4	
1	Mon	11	June	1 & 2	Introduction & Electrostatics	21	
1	Tue	12	June	3	Coulomb's Law	21	
1	Wed	13	June	4	Electric Field	21	
1	Thu	14	June	5	Electric Flux	22	
1	Fri	15	June	6	Electric Potential and Electric Potential Energy	23	
1	Sat	16	June				
1	Sun	17	June		Assignment Set 1, Chapter 21, 22, 23 Due 11: 59 PM		Set 1 11:59
2	Mon	18	June	7	Electric Potential, Equipotentials	23	
2	Tue	19	June	8	Capacitors	24	
2	Wed	20	June	9	Dielectrics, Energy Storage	24	
2	Thu	21	June	10	Electric Current	25	
2	Fri	22	June	11	Resistivity and Electric Power	25	
2	Sat	23	June				
2	Sun	24	June		Assignment Set 2, Chapter 23, 24, 25 Due 11: 59 PM		Set 2 11:59
3	Mon	25	June	12	DC Circuits, Resistance	26	
3	Tue	26	June	13	RC Circuits, Safety, and Instruments	26	
3	Wed	27	June	14	Magnetis and Magnetic Field	27	
3	Thu	28	June	15	Magnetic Forces on Current and Moving Charges	27	
3	Fri	29	June	16	Magnetic Applications	27	
3	Sat	30	June				
4	Sun	1	July		Assignment Set 3, Chapter 26, 27 Due 11: 59 PM		Set 3 11:59
5	Mon	2	July		Exam I Chapter 21-27		
5	Tue	3	July	17	Sources of Magnetic Field	28	
5	Wed	4	July	18	Solenoids, Electromagnets, Bulk Magnetic Properties	28	
5	Thu	5	July	19	Electromagnetic Induction, Faradays's Law	29	
5	Fri	6	July	20	Motional EMF, Transformers	29	
5	Sat	7	July				
5	Sun	8	July		Assignment Set 4, Chapter 28, 29 Due 11: 59 PM		Set 4 11:59
6	Mon	9	July	21	Electric Generators and Motors	30	
6	Tue	10	July	22	Inductance	30	
6	Wed	11	July	23	LR, LC, LRC Circuits	30	
6	Thu	12	July	24	AC Circuits with AC Sources	30	
6	Fri	13	July	25	Waves	15	
6	Sat	14	July				
6	Sun	15	July		Assignment Set 5 , Chapter 30, 15 Due 11: 59 PM		Set 5 11:59
7	Mon	16	July	26	Wave Interference, Superposition	15	
7	Tue	17	July	27	Sound	16	
7	Wed	18	July	28	Interference, Doppler Effect	16	
7	Thu	19	July	29	Maxwell's Equations, Electromagnetic Waves	31	
7	Fri	20	July	30	Electromagnetic Wave Energy, Pressure, Polarization	35	
7	Sat	21	July				
7	Sun	22	July		Assignment Set 6, Chapter 15, 16, 31, 35 Due 11: 59 PM		Set 6 11:59
8	Mon	23	July		Exam II, Chapters 28,29,30,15,16		
8	Tue	24	July	31	Reflection, Mirrors	32	
8	Wed	25	July	32	Refraction, Total Internal Reflection	32	
8	Thu	26	July	33	Lenses, Ray Tracing	33	
8	Fri	27	July	34	Optical Apparatus	33	
8	Sat	28	July				
8	Sun	29	July		Assignment Set 7, Chapter 32, 33 Due 11: 59 PM		Set 7 11:59
9	Mon	30	July	35	Wave Nature of Light	34	
9	Tue	31	July	36	Interference of Light	34	
9	Wed	1	August	37	Diffraction	35	
9	Thu	2	August	38	Multiple Slit Diffraction, Spectroscopy	35	
9	Fri	3	August				
9	Sat	4	August				
9	Sun	5	August		Assignment Set 8, Chapter 34, 35 Due 11: 59 PM		Set 8 11:59
10	Mon	6	August		Final		
10	Tue	7	August		Final		
10	Wed	8	August		Final		
10	Thu	9	August		Final Due 7:00 PM		
10	Fri	10	August				