Week No.	Week of...	Day	Lecture reference	Topic	P.S. due
			[G=Griffiths, SCSR = Short Course in Special Relativity, P2=Pedrotti 2nd ed, P3=Pedrotti 3rd ed]		5:30 PM
1	25-Aug	M			
		W	G 9.2.1-3	Review of electromagnetic waves in vacuum; energy and momentum	
		F	G 9.3.1, 9.4.1	Electromagnetic waves in linear conducting media	
2	1-Sep	M		*LABOR DAY HOLIDAY*	
		W	G 9.3.2, 9.4.2	Reflection at normal incidence	**1**
		F	G 10.1.1	Scalar and vector potentials	
3	8-Sep	M	G 10.1.2-3	Gauge invariance; Lorentz gauge	
		W	↑	Special relativity	**2**
		F	SCSR	Special relativity	
4	15-Sep	M	and	Special relativity	
		W	references	Special relativity	**3**
		F	given	Special relativity	
5	22-Sep	M	on its	Special relativity	
		W	last	Special relativity	**4**
		F	page	Special relativity	
6	29-Sep	M	↓	Special relativity	
		W	G 12.3.1-2	Fields of a uniformly moving point charge (relativistic approach)	**5**
		F	G 10.2.1	Retarded potentials	
7	6-Oct	M	G 10.3.1	Liénard-Wiechert potentials	
	8-Oct	W		***EXAM 1***	
		F	G 10.3.2	Fields of a moving point charge	
8	13-Oct	M	G 10.3.2	Fields of a uniformly moving point charge (retarded potential approach)	
		W	G 11.1.1-4	Nonrelativistic electric dipole radiation	**6**
		F	G 11.1.1-4	Nonrelativistic electric & magnetic dipole radiation	
9	20-Oct	M	G 11.2.1	Radiation by a relativistic point charge	
		W	G 11.2.1	Bremsstrahlung	**7**
		F	G 11.2.1	Synchrotron radiation	
10	27-Oct	M	P2,P3 14	Matrix analysis of polarization	
		W	P2,P3 14	Matrix analysis of polarization	**8**
		F	P2 10,12; P3 7,9	Matrix analysis of polarization; interference and coherence	
11	3-Nov	M	P2 10,12; P3 7,9	Interference and coherence	
		W	P2 10,12; P3 7,9	Interference and coherence	**9**
		F	P2 11,19; P3 8,22	Multiple reflections	
12	10-Nov	M	P2 11,19; P3 8,22	Multiple reflections	
		W	P2 16; P3 11	Fraunhofer diffraction	**10**
		F	P2 16; P3 11	Fraunhofer diffraction	
13	17-Nov	M	P2 17; P3 12	Fraunhofer diffraction (grating)	
	19-Nov	W		***EXAM 2***	
		F	P2 25; P3 21	Fourier optics	
14	24-Nov	M	P2 25; P3 21	Fourier optics	
		W	P2 18; P3 13	Fresnel diffraction	**11**
		Th-F		*THANKSGIVING HOLIDAY*	
15	1-Dec	M	P2 21,22; P3 26,27	Lasers	
		W	P2 21,22; P3 26,27	Lasers	**12**
		F	P2 13; P3 16	Holograms	
16	8-Dec	M	P2 13; P3 16	Holograms	
	10-Dec	W	---	Review; *INSTRUCTION ENDS*	
	13-Dec	Sa		*FINAL EXAMS BEGIN;* ***FINAL EXAM*** (Group 1, 8-11 AM)	
17	15-Dec	M			
	20-Dec	Sa		*FINAL EXAMS END*	