

Week No.	Week of...	Reading chapter	Topic (Pu=Purcell, Fo=Fowles, Ro=Rohlf)	Problem Set No.	Due 5 PM on...	7C lab
1	23-Aug	Ro 4, Pu A, Fo App. I	Review of special relativity; relativistic transformation of EM fields			NONE
2	30-Aug	Pu 9 Pu 10,11	Review of Maxwell's equations and EM waves... ...in vacuum and in material; boundary conditions	1	2-Sep	NONE
3	6-Sep	Pu B Fo 2	LABOR DAY Radiation by an accelerated charge Polarization	2	9-Sep	reflect/ refract
4	13-Sep	Fo 2 Fo 3	Plane reflection/refraction Interference	3	16-Sep	geom optics
5	20-Sep	Fo 3 Fo 4	Coherence Multiple beams	4	23-Sep	michelson interferom
6	27-Sep	Fo 4 Fo 5	Multiple beams Diffraction	5	30-Sep	diffract/ interfer
7	4-Oct 7-Oct	Fo 5 Fo 6	Diffraction Optics of solids MIDTERM 1 (covers PS 1-5)			NONE
8	11-Oct	Ro 2 Ro 3	Optics of solids, Maxwell-Boltzmann distribution Planck's constant	6	14-Oct	polarl- zation
9	18-Oct	Ro 3 Ro 5	Planck's constant Wave properties of matter	7	21-Oct	NONE
10	25-Oct	Ro 5 Ro 6	Uncertainty principle Probing the structure of matter	8	28-Oct	photo- electric
11	1-Nov	Ro 7 Ro 8	Schroedinger equation Hydrogen atom	9	4-Nov	NONE
12	8-Nov 11-Nov	Ro 9	Periodic table MIDTERM 2 (covers PS 1-9)			atomic spectra
13	15-Nov	Ro 12 Ro 17	Quantum statistics Quarks and leptons	10	18-Nov	radio half-life
14	22-Nov 25-Nov	Ro 18	Unification of the forces THANKSGIVING	11	24-Nov	NONE
15	29-Nov	Ro 19	Cosmology LAST LECTURE (review)	12	2-Dec	makeups
16	6-Dec 8-Dec 10-Dec	5-8 PM	Final exams begin H7C FINAL EXAM (Group 9) (covers PS 1-12)			