

Physics 219 Lecture, Recitation & Homework Schedule Fall 2015

The following schedule is approximate but should be a useful guide.

Lecture	Date	Subject	Chapter	Homework
L01	Aug 24	Course overview		
L02	Aug 26	Charge & Coulomb's Law	14.1-4	
L03	Aug 31	Electrical Potential Energy	14.5-6	HW 1
L04	Sept 2	Electric Fields	15.1-2	
R01	Sept 4	Recitation		
	Sept 7	LABOR DAY (No classes)		
L05	Sept 9	Equipotential Surfaces	15.3-5	HW 2
R02	Sept 11	Recitation		
L06	Sept 14	Capacitors	15.6-7	HW 3
L07	Sept 16	Electric Current	16.1-4	
R03	Sept 18	Recitation		
L08	Sept 21	DC Circuits	16.5-6	HW 4
L09	Sept 23	Kirchoff's Rules	16.7-10	
EXAM	Sept 24	Exam I – 8:00 pm, PHYS 112	Chapters 14-15	
R04	Sept 25	Recitation		
L10	Sept 28	Magnetic Fields	17.1-2	HW 5
L11	Sept 30	Lorentz Force	17.3	
R05	Oct 2	Recitation		
L12	Oct 5	Magnetic force on electric currents	17.4	HW 6
L13	Oct 7	Ampere's Law	17.5-8	
R06	Oct 9	Recitation		
	Oct 12	OCTOBER BREAK (No Classes)		
L14	Oct 14	Magnetic induction, Lenz's Law	18.1-3	
R07	Oct 16	Recitation		
L15	Oct 19	Induced EMF	18.4-8	HW 7
L16	Oct 21	AC voltage and transformers	18.9-10	
R08	Oct 23	Recitation		
L17	Oct 26	Polarization	24.1-3	HW 8
L18	Oct 28	Reflection	21.1-2	
R09	Oct 30	Recitation		
L19	Nov 2	Refraction	21.3-5	HW 9
L20	Nov 4	Mirrors	22.1-3	
EXAM	Nov 5	Exam II – 8:00 pm, PHYS 112	Chapters 16-18	
R10	Nov 6	Recitation		
L21	Nov 9	Lenses	22.4-6	HW 10
L22	Nov 11	Wave optics – gratings and thin films	23.3-4	

R11	Nov 13	Recitation		
L23	Nov 16	Wave optics – diffraction	23.5	HW 11
L24	Nov 18	Electromagnetic waves	24.4-5	
R12	Nov 20	Recitation		
L25	Nov 23	Quantum optics - photons	26.1-4	HW 12
	Nov 25	THANKSGIVING BREAK (No classes)		
L26	Nov 30	Hydrogen atom, Bohr model	27.1-2	HW 13
L27	Dec 2	De Broglie waves	27.6-7	
R13	Dec 4	Recitation		
L28	Dec 7	Nuclear structure	28.1-3	HW 14
L29	Dec 9	Radioactivity and nuclear reactions	28.4-7	
R14	Dec 11	Recitation		
EXAM	Dec 14-19 (TBD)	Exam III	Chapters 21-28	