

General Physics II Spring 2014 Schedule/Syllabus

Date	Chapter	Class	Topic	HW due
Wed Jan 21	*	L 1	Introduction to Physics II, Relativity, Clickers distributed	None
Mon Jan 27	16	L 2	Electric Charge, conductors, insulators and Coulomb's law	HW1
Wed Jan 29	16	L 3	Electric Fields	HW2
Mon Feb 3	17	L 4	Electric Potential, Work done by Electric fields, Potential Difference, Capacitance	HW3
Wed Feb 5	17	L 5	Electric Current, Power, Resistance	HW4
Mon Feb 10	18	L 6	Alternating Current, Batteries, Circuits	HW5
Wed Feb 12	19	L 7	Circuits, Electromotive Force, Internal Resistance	HW6
Mon Feb 17	Presidents	Day		
Tues Feb 18 Note: Monday	16-19 Schedule	EXAM 1	Electricity	
Wed Feb 19	20	L 8	Magnetism and Electromagnetism	HW7
Mon Feb 24	21	L 9	Induction, Motors, Generators, Transformers	HW8
Wed Feb 26	22	L10	The Electromagnetic Spectrum, Light and Color	HW9
Mon Mar 3	23	L 11	Optics: Reflection, Refraction, Mirrors and Lenses. Formation of images by mirrors.	HW10
Wed Mar 5	23	L 12	Optics: Refraction, formation of images by Lenses. Dispersion	HW11
Mon Mar 10	24	L 13	Interference, Diffraction Gratings	HW12
Wed Mar 12	24	L 14	Spectroscopy, Polarization	HW13
Mon Mar 17	Spring			
Wed Mar 19	Break			
Mon Mar 24	25	L 15	Practical Applications in Optics	HW14
Wed Mar 26	20-25	EXAM 2		
Mon Mar 31	26	L 16	Special Relativity	HW15
Wed Apr 2	27	L 17	Quantum	HW16
Mon Apr 7	27	L 18	Quantum	HW17
Wed Apr 9	28	L 19	Quantum	HW18
Mon Apr 14	27-28	L 20	Quantum	HW19
Wed Apr 16	25-28	EXAM 3		
Mon Apr 21	Patriots	Day		
Wed Apr 23	30	L21	Radioactivity	HW20
Mon Apr 28	30	L 22	Nuclear Structure	HW21
Wed Apr 30	31	L 23	Radioactive Dating and Nuclear Reactors	HW22
Thu May 1	All	Review	All	
Fri May 2	All	Review	All	
TBD May 5-10	16-30 (not 29)	FINAL EXAM	All	