

Modified Schedule of Topics

week	Date	Topic	Chapter
0	9/28	Harmonic Oscillations	13
1	10/1	Waves - Transverse Wave on a String	13
	10/3	Interference, Reflection	13
	10/5	Sound Waves	14
2	10/8	Standing Waves	14
	10/10	Doppler Effect -Beats	14
	10/12	Quiz 1	
3	10/15	Electromagnetic waves	21
	10/17	Reflection and Refraction	22
	10/19	Dispersion -Total internal reflection	22
4	10/29	Mirrors	23
	10/31	Lenses	23
	11/2	Quiz 2	
5	11/5	Geometrical Optics- Simple optical systems	25
	11/7	Microscopes, Telescopes	25
	11/9	Double Slit Interference	24
6	11/12	Veterans Day - Holiday	
	11/14	Diffraction Grating, Circular Diffraction	24, 25.6
	11/16	Quiz 3	
7	11/19	Quantum Physics -Planck's Constant- Particle nature of light	27
	11/21	Quantum Physics -Wave nature of matter	27
	11/23	Thanksgiving- Holiday	
8	11/26	Atomic Physics - Bohr Atom	28
	11/28	Exclusion Principle-Periodic Table	28
	11/30	Quiz 4	
9	12/3	Lasers/Transistors	28
	12/5	Nuclear Physics- Binding energy- radioactivity	29
	12/7	Nuclear Energy- Fission and Fusion	30