

Tentative Schedule for Physics 335 (Modern Physics) Fall 2012

Week Starting dates	Assignment due	Topics and Events
August 21		Class Initialization
August 27		Chapter 2: Special Theory of Relativity
September 03	H01	Special Theory of Relativity
September 10	H02	Special Theory of Relativity
September 17	Test 01	Selected Themes from Chapter 3 (1) e/m measurement (2) determination of e (3) Line spectra (4) Photoelectric effect
September 24	H04	Selected Themes from Chapter 3 (continued)
October 08	H05	Selected Themes from Chapter 4 Classical atomic model Bohr model of the Hydrogen atom (failures of the Bohr model) Atomic Excitation by Electrons
October 15	H06	Selected Themes from Chapter 4 (continued)
		Chapter 5: Wave properties of matter
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October 22	H07	Chapter 6: The Quantum Theory
		Chapter 6
		Chapter 6
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		Chapter 6
October 29	Test 02	
November 05	H08	Selected Themes from Chapter 7
		Selected Themes from Chapter 7
		Selected Themes from Chapter 9
		Selected Themes from Chapter 9
November 12	H09	Chapter 12
		Chapter 12
		Chapter 12
		Chapter 12
November 19	H10	Selected Themes from Chapter 13
		Selected Themes from Chapter 13
		Selected Themes from Chapter 13
		Selected Themes from Chapter 13
November 26	Test 03	
December 03		last week, tie up loose ends