

Tentative Schedule for Physics 335 (Modern Physics) Fall 2014
Class Times: Monday 3-3:50, Tuesday: 12-12:50, Thursday 12-12:50

Date	Assignment due	Topics and Events
Tuesday, August 19, 2014		Class Initialization
Monday, August 25, 2014		Chapter 2: Special Theory of Relativity
Monday, September 01, 2014	H01	Special Theory of Relativity
Monday, September 08, 2014	H02	Special Theory of Relativity
Monday, September 15, 2014	H03	Special Theory of Relativity
Monday, September 22, 2014	Test 01	Selected Topics from Chapter 3 e/m measurement determination of e Line spectra Photoelectric effect
Monday, September 29, 2014		Selected Topics from Chapter 3
Monday, October 06 2014	H05	Selected Topics from Chapter 4 Classical atomic model Bohr model of the Hydrogen atom (failures of the Bohr model) Atomic Excitation by Electrons
October 09 - October 12, 2014		Fall break
Monday, October 13, 2014	H06	Selected Themes from Chapter 4
		Chapter 5: Wave properties of matter
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Monday, October 20, 2014	H07	Chapter 6: The Quantum Theory
		Chapter 6
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		Chapter 6
Monday, October 27, 2014	Test 02	
Monday, November 03, 2014	H08	Chapter 7: The Hydrogen Atom Selected topics
		Selected topics from Chapter 7
		Chapter 9: Statistical Physics
		Selected Topics from Chapter 9
		Selected Topics from Chapter 9
Monday, November 10, 2014	H09	Chapter 12: The Atomic Nucleus
		Chapter 12
Monday, November 17, 2014		Chapter 12
		Chapter 12
Monday, November 24, 2014	H10	Chapter 13: Nuclear Interactions Selected Topics
		Selected Topics from Chapter 13
		Selected Topics from Chapter 13
		Selected Topics from Chapter 13
November 26 - November 30		Thanksgiving Break
Monday, December 01, 2014	Test 03	
Monday, December 01, 2014		last week, tie up loose ends