

Tentative Schedule for Physics 335DS (Modern Physics) Fall 2007
In Revision with regard to chapter numbers and titles
Expect significant departures from the for the Directed Study

Class #	Assignment due	Topics and Events
1		Chapter 2: Special Theory of Relativity
2	1	Special Theory of Relativity
3	2	Special Theory of Relativity
4	3	Selected Themes from Chapter 3 (1) e/m measurement (2) determination of e (3) Line spectra (4) Photoelectric effect
5	4	Selected Themes from Chapter 3 (continued)
Week of September 18		Test 1
6	5	Selected Themes from Chapter 4 Classical atomic model Bohr model of the Hydrogen atom (failures of the Bohr model) Atomic Excitation by Electrons
7	6	Selected Themes from Chapter 4 (continued)
8		Chapter 5: Wave properties of matter
9		Chapter 5: Wave properties of matter
10	7	Chapter 5: Wave properties of matter
11	8	Chapter 5: Wave properties of matter
12	9	Chapter 6: The Quantum Theory
13	10	Chapter 6
14	11	Chapter 6
15	12	Chapter 6
16	13	Chapter 6
17	14	Chapter 6
18	15	Chapter 6
Week of October 22		Test 2
19	16	Selected Themes from Chapter 7
20	17	Selected Themes from Chapter 7
21	18	Selected Themes from Chapter 9
22	19	Selected Themes from Chapter 9
23	20	Chapter 12
24	21	Chapter 12
25	22	Chapter 12
26	23	Chapter 12
27	24	Selected Themes from Chapter 13
28	25	Selected Themes from Chapter 13
29	26	Selected Themes from Chapter 13
30	27	Selected Themes from Chapter 13
Week of November 27		Test 3
31	28	Last day of this class (November 30)