

Tentative Schedule for Physics 335 (Modern Physics) Fall 2006
In Revision with regard to chapter numbers and titles

| 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) |