

Physics 109
Reading and Homework Assignments
Fall Semester, 2007

| Week | Reading Assignment | HW Number | Homework Problems | Date Assigned | Date Due |
|--------|--------------------------------------|-----------|---|------------------------|------------------------|
| 1 | Introduction | | | | |
| 2 | Read Chapter 1 and Chapter 2 | HW 1 | Ch 1-9,13,17,25,37,53 Ch 2-3,5,17,29,41,51 | 28 August | 4 September |
| 3 | Read Chapter 3 | HW 2 | Ch 3-3,5,21,27,29,31,45,57 | 4 September | 17 September |
| 5 | Read Chapters 4 and 9 | HW 3 | Ch 4-47,79,81;Ch 9-3,13,31 (extra credit) | 18 September | 24 September |
| 6 | Read Chapter 5 | HW 4 | Ch 5-7,11,13,25,41,45 | 25 September | 1 October |
| 7 | Mid Term Exam Read Chapter 6 | HW5 | Ch 6-1,3,7,11,17,29 | 2 October 2 October | 4 October 8 October |
| 8 | (*) | HW 6 | Ch 8-5,9,11,23 Ch 10-1,11 | 9 October | 15 October |
| 9 | Read Chapter 11 | HW 7 | Ch 11-1,3,7,17,19 | 16 October | 22 October |
| 10 | Read Chapter 12 | HW 8 | Ch 12-1,7,9,17,25,39 | 23 October | 29 October |
| 11 | Read Chapter 13 | HW 9 | Ch 13-1,3,5,11 | 30 October | 5 November |
| 12 | Read Chapter 13, p. 324-327 | HW 10 | Ch 13-43,45,47,51 | 6 November | 12 November |
| 13 | Read Chapter 15 | HW 11 | Ch15-1,3,5,7,11,13 | 13 November | 19 November |
| 13 1/2 | | | Thanksgiving Week, no Lab | | |
| 14 | Read Chapter 11, p 267, also Ch 7 | HW 12 | Ch 11-21,27,39,45 | 27 November | 3 December |
| 15 | Review (Lab Report 7) | | | | 5 December |

(*) Special Reading Assignment for Binary Stars Experiment

Hooke's Law, Ch. 5 p.113. Energy of a Spring Ch. 8 p. 193

Energy of two Interacting Objects, Conservation of Energy Ch. 8 p. 202-203

Momentum of a System, Conservation of Momentum, Ch 10 p. 247-249
Center of Mass Ch. 10 p. 239

This is the assignment sheet as of 23 October 2007. I hope that this will be the final version.