

Reading assignments specify the material to be covered that day in class; problem assignments should be worked *after* that class has occurred. You may work with others on the assigned problems, but no more than three people should work together at one time. Feel free to discuss the problems with your professor, lab manager, or PALG Leader. The meeting times for PALG sessions will be announced by the PALG Leader on the second or third day of class.

Only underlined problems are to be turned in. Each is due at the **beginning** of the next class. **Homework problems turned in late will not be accepted without a dean's excuse.** Be sure to show how you arrived at your answer; no credit will be given for papers showing *only* an answer. Solutions to underlined problems, and to problems not answered in the Student Solutions Manual, will be posted on Lyceum after noon on the day they are due.

Note that there are two sections at the end of each chapter: one is **Questions** and the other is **Problems**. **The assignments below are from the Problems section, NOT from the Questions section.** Also, when a problem is listed as 1.7, that means it is problem 7 in chapter 1.

- Wed Sept 9 Introduction to Physics 107 – 108; Standards of Measurement; Units.
Read: Chapter One, Sections 1.1 – 1.6, 1.8.
Do Problems: 1.7, 1.8, 1.25, 1.26, 1.27, 1.38, 1.41, and 1.73.
No Lab This Week.
- Fri Sept 11 Vectors; Vectors in Cartesian and Polar Coordinates, the Scalar Product.
Read: Chapter Two, Sections 2.1 – 2.5, 2.6 – 2.15.
Do Problems: 2.14, 2.15, 2.17, 2.25, and 2.65
- Mon Sept 14 Kinematics In One Dimension.
Read: Chapter Three, Sections 3.1 – 3.6.
Do Problems: 3.1, 3.3 (see the inside cover for the speed of light), 3.9, 3.12.
Lab Begins.
- Wed Sept 16 One Dimensional Motion With Constant Acceleration.
Read: Chapter Three, Sections 3.7 and 3.8.
Do Problems: 3.11, 3.14, 3.17, 3.29, and 3.37.
- Fri Sept 18 Kinematics in Two Dimensions; Projectile Motion.
Read: Chapter Four, Sections 4.1 – 4.2.
Do Problems: 3.41, 3.65, 4.3, 4.6 and 4.9.
- Mon Sept 21 More Projectile Motion in Two Dimensions.
Read: Chapter Four, Sections 4.2 – 4.3.
Do Problems: 4.10, 4.12, 4.17, 4.21, 4.29.

Wed Sept 23 Uniform Circular Motion, Angular Speed and Centripetal Acceleration.

Read: Chapter Four, Section 4.5

Do Problems: 4.51, 4.53, 4.56, 4.57 and 4.61

Fri Sept 25 Non-uniform Circular Motion with Constant Angular Acceleration.

Read: Chapter Four, Section: 4.12 (ignoring vector aspects of ω and α).

Do Problems: 4.65a, b, d, e; 4.69, 4.73a, b, c; and 4.80.

Mon Sept 28 Review; Questions.

Wed Sept 30 **EXAM ONE.**