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 with any of the teaching assistants. There also will be regular PALG sessions run by Maddie White.

Only underlined problems are to be turned in. Each is due at the beginning of the class after the date it appears on the syllabus. Homework problems turned in late will not be accepted without a dean’s excuse. Be sure to show how you arrived at your answer, explaining each step using complete sentences. Homework showing only an answer will not receive any credit. Solutions to problems turned in for grading will be posted on Lyceum at https://lyceum.bates.edu/login/index.php the afternoon of the day they are due. Solutions for the other problems are in the Solution Manuals.

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.

Mon Sept 29 Applying Newton’s Second Law: Weight and Frictionless Surfaces.
Read: Chapter Five, Sections 5.9 – 5.10.

Read: Chapter Five, Section 5.11.
Do Problems: 5.31, 5.34, 5.38, 5.41, 5.47
Extra practice: 5.33, 5.37, 5.50.

Fri Oct 3 Friction.
Read: Chapter Five, Sections 5.12 – 5.13.
Do Problems: 5.55, 5.57, 5.61, 5.65, 5.70, 5.77.
Extra practice: 5.53, 5.60, 5.69.

Mon Oct 6 The Spring Force: Hooke’s Law.
Read: Chapter Seven, Section 7.1.
Do Problems: 7.1, 7.5, 7.6, 7.11.

Read: Chapter Six, Sections 6.1 – 6.5 and 6.13.
Do Problems: 6.5, 6.9, 6.14, 6.22, 6.64

Fri Oct 10 Gravity (continued)
Do Problem: 6.66
Mon Oct 13  The Electric Force and the Electric Field.
Read: Chapter Sixteen, Sections 16.1 – 16.7.
Extra practice: 16.9, 16.11, 16.13, 16.22, 16.28

FALL RECESS

Mon Oct 20  Electric force and Field: examples.
Read: Chapter Sixteen, Section 16.10.
Do Problems: 16.60, 16.61, 16.62

Wed Oct 22  The Vector Cross Product (not on Exam Two); Exam Two Review/Questions
Read: Chapter Two, Sections 2.16 – 2.17.
Do Problems: (due Mon, Oct 27) 2.42, 2.43, 2.45.

Fri Oct 24  EXAM TWO.