

Using CAPA

For homework #1, we are giving you the homework printout. For future assignments, you must make your own printout. During the first week, you should reprint a new copy of assignment #1 to make sure that you don't have any problems with printing.

Getting your personalized homework set:

- Step 1: Find a computer. Logon to the computer using your email account name and password.
- Step 2: Start a web browser, such as *Netscape Navigator* or *Internet Explorer*.
- Step 3: Type the following into the address bar: **http://capa.sci.geneseo.edu/**, and hit "enter".
- Step 4: Click on "Download Your Homework Set", then choose this class ("phys123f01").
- Step 5: Choose your homework set (in this case, choose set #1). Note that assignments are listed pseudo-alphabetically, so assignment "10" will be before set 2, since 1 is lower than 2.
- Step 6: Your personalized assignment is available as an Adobe Acrobat file (.pdf). Click on the file having your own name. To view or print this file, you need to have *Adobe Acrobat* viewer, which is installed on virtually all computers. Consult the online directions at **capa.sci.geneseo.edu** for help with *Acrobat*.

To enter your solutions:

- Step 0: Solve all of the problems first, on paper, then take your answers to the computer room. Be sure you use adequate sig-figs throughout the problem. I recommend that you keep all intermediate results to at least 4 sig-figs, even though CAPA only requires answers to have 3 sig-figs. Note that "0.0074" has only two significant figures.
- Step 1: From the main CAPA web page (see step #3 above), click on "Go to the CAPA Web Version" to enter your homework solutions".
- Step 2: In the first little window, choose "p123f03" to specify this class.
- Step 3: Type in your student ID (a "G" followed by eight digits). This number is given on your student ID card.
- Step 4: Type in your CAPA ID (a unique 4-digit number printed at the top of each homework assignment. **Note that this number will be different for you every week.**)
- Step 5: Click on the button "Here", as in "click here to work on CAPA".
- Step 6: Click on "try current set". CAPA knows which one is the "current" set based on your 4 digit CAPA ID number.
- Step 7: For each question, type in the answer with the units, then click "Submit all answers". You can submit one answer at a time, or all of them together. You will typically get ten tries to do each problem, with on penalties. If you use all the allowed tries without getting it correct, you will not be permitted to attempt that problem again.
A list of all acceptable units can be found on the main CAPA homepage.
Scientific notation is performed using "E" notation; E7 stands for " $\times 10^7$ ", for example.

Example: $1.09\text{E-}10 \text{ kg}\cdot\text{m}/\text{s}^2$ stands for $1.09 \times 10^{-10} \frac{\text{kgm}}{\text{s}^2}$

- Step 8: When you are done, click on the "exit" button at the top of the page.