

## Using CAPA

If you want help with a particular CAPA problem during office hours, you are **required** to first create a **printout** of each week's homework assignment. Also, it is recommended that you make one anyway to keep in your records to use while studying for exams and quizzes.

### Getting your personalized homework set:

- Step 1: Login to a computer using your Geneseo email account name and password.
- Step 2: Start a web browser, such as *Firefox* or *Chrome*. Warning: You are responsible for your own browser settings. If your browser is configured to auto-submit answers without telling you (the default for Chrome and Safari!), then you'll use up all your tries in the background without even knowing about it! As an adult scientist, you should never permit software developers to make choices for you without your permission. So, change this setting! If your browser uses up all your tries in the background, that's *your responsibility*, not mine.
- Step 3: Type the following into the address bar: <http://capa.geneseo.edu/>, and hit "enter". Bookmark it for future use!
- Step 4: Click on "Download Your Homework Set", then choose this class ("phys228s26").
- Step 5: Choose your homework set (such as set #1).
- Step 6: Your personalized assignment is listed by your last name. 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. *Acrobat* is free from Adobe, so you don't have to use a buggy off-brand pdf viewer like the one Google packages with Chrome.
- Step 7: Print it on paper! Not only does a paper copy make you more efficient than an on-screen copy, it helps with studying!

### Entering your solutions:

- Step 0: 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 usually 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 "p228s26" to specify this class.
- Step 3: Type in your student ID (a capital "G" followed by eight digits).
- 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. Blank entries are not counted towards your "tries" count... unless **you** have foolishly permitted your browser to auto-complete blank cells by default! You will typically get 5 tries to do each problem, with no 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.

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

- Step 8: **Do not ever refresh your browser manually using the browser "reload" button!** This is often counted as a problem attempt, depending on how **you** have chosen to configure your browser settings (see above).
- Step 9: When you are done, click on the "exit" button at the top of the page.

### Viewing the correct answers for prior assignments:

- Step 1: Login to CAPA, as if you were going to enter your answers (Steps 0 through 4, above). Use the 4 digit CAPA ID number for the latest available homework set, even if that's not the set you want to see answers for (you can view any assignment having a lower number than the one you use to log in to CAPA).
- Step 2: Don't click the "here" button. Instead, next to the "View Previous Set" button, enter the assignment number that you want to review.
- Step 3: Click the "View Previous Set" button. Answers generally become available a couple of days after the due date for each assignment.