

Day 1 Notes: Calculus Lab

Computer Basics in the Lab:

- Be sure you can log in/log out of the computers in the lab. Be sure you have changed your password to something you can remember (but also something hard to guess).
- Maple and Matlab: Find the Maple and Matlab buttons under **Applications, Accessories**. Drag and drop the shortcuts to your toolbar. We will be learning Maple later, and perhaps get into Matlab.
- Click on the file folder (it also has a house on it). This is your file browser. Make a new folder for our class documents, call it something like **CalcLab** (no spaces in the name!).
- Use the web browser (Firefox) to find our class webpage (Find my webpage, go to **Students**, then **Calculus Lab 1**. There you will find links to our first LaTeX documents.

The first link is this document (you don't need to download it unless you want it).

The next link is to a page we will pass out in class. (Again, you don't need to download it unless you want an extra copy).

The third link is a template LaTeX document. Download this (Right-click on the link, choose **Save Link As...**) It will probably be saved to your desktop- If that is the case, move it to our class folder that you made earlier.

- Click on `template.tex` to open the text editor, `emacs`.
- Save the template as something different, like `sample1.tex`
- Change the document to make it look like Item (3) in **A First LaTeX Document**.
- Save your changes.
- Click on the **Command** button, then choose `Latex`
- If you typed everything correctly, you should see that a new document was created, `sample1.dvi`. Click on that to see the end result.

Troubleshooting: If LaTeX finds problems, you can see what they are: Select **Buffer**, then look for your filename, followed by **output**. You can move between the two pages by going back to the **Buffer** button. the output.

Next up: The LaTeX reference book that is next to the computers.