**Software setup for NSCI 20100:**

The lab needs 13 Macs with Matlab (12 for students, one for instructors)

The following software must be installed with Administrator privileges:

Matlab (I believe all the machines currently have Matlab)

[ImageJ](https://imagej.nih.gov/ij/download.html) (for the genetics and optogenetics labs)

[LabJack Exodriver](https://labjack.com/support/software/installers/exodriver) (to run LabJack hardware in the EOG and crayfish labs)

[libusb](https://libusb.info/) (needed by Exodriver; for EOG lab)

[Pylon 5 for MacOS](https://www.baslerweb.com/en/products/software/pylon-macos/) (for the genetics and optogenetics labs)

The following can be installed by the course instructors:

[Psychtoolbox-3](http://psychtoolbox.org/download.html) (installed using Matlab; for contrast thresholds, EOG and crayfish labs)

1. Place the “NSCI-20100 Code” folder on the Desktop.
2. Copy “NSCI-20100 Code/Setup/startup.m” to ~/Documents/MATLAB
3. Launch Matlab
4. Set Preferences >> General >> Initial Working Folder to ~/Documents/MATLAB
5. Give Matlab the command: DownloadPsychtoolbox. You will not be able to modify the Matlab path file, or save the Psychtoolbox in the /Applications folder without have administrator permissions. So when the install process pauses, say YES to not changing the path, and YES install into /Users/Shared. You can safely ignore the warning at the end saying that the “savepath” command failed.
6. Quit and relaunch Matlab.