PHY3802L Cheat Sheet

The Ten Commandments

1. You shall never copy someone else's work.
2. You shall not make a plot without showing uncertainties.
3. You shall never plot the uncertainties, without explicitly showing how they were estimated (in equations)
4. You shall never perform a fit and not quote the fitting results (values + uncertainties)
5. You shall never make a plot without axis titles
6. You shall never quote a result without unit
7. You shall never copy/paste results from python without properly considering significant digits.
8. You shall never use internet pictures as part of your experimental setup.
9. You shall always be on time
10. You shall obtain prior approval from me by writing (email) if you have to miss a lab

Lab report check list:
1. Did my plot have axis titles?
2. Did the axis title include units?
3. Did my plot include uncertainties?
4. Did I document (in equations) how the uncertainties were estimated/propagated?
5. Did I document the fit results -- the value and uncertainties of the fitted parameters?
6. Did I determine a physics observable from the fitting parameters? If so, is the equation relating them in the report?
7. Did I determine the uncertainty of that physics observable using that equation (item 6)? Is that documented (how you determined the uncertainty of the physics observable)?
8. Did I compare my physics results with what I expected? How do they compare, consistently or not? IF not, why?

LA: Elvis Hernadez (ehern286@fiu.edu), Jennifer Russo (jruss045@fiu.edu)
LA hour: Tuesday (2-4pm) and Friday 11am-2pm
Office hour: Monday, Tuesday (2-3pm), Wednesday-Thursday (4-5pm)
Websites:

For both Monday and Wednesday Sessions:
   http://wanda.fiu.edu/boeglinw/phy3802l_fall18.html
For Monday session only: (To be updated)
   http://faculty.fiu.edu/~leguo/home/PHY3802L.html