# Meteorology 227 – Hour Exam Programming Assignment
## Due: 12/14/2017

Problem:   Demonstrate an understanding of the use of Cartopy, Siphon, Unidata THREDDS data sever (TDS), and using online resources to solve a problem starting from the mapping templates discussed in class.

Assignment: Perform the following for a model run or dataset of your choice:

1.  Plot a meteorological variable over a domain of interest.
2.  Create a time series of a meteorological variable at a location of your choice.
3.  Plot an atmospheric quantify that first requires you to do a calculation over a domain of interest.

Your work will be judged based on originality and creativity.  For the most points, try and do something that we haven't done in class.  Minimal points will be given if you simply copy what we did in class with very little variation. Your code should also be well commented and explain what you are doing in each step.