Weather Forecast Project

By forecasting on a regular basis, you'll experience the difficulty involved in making a forecast under changing weather conditions. You'll be able to investigate the accuracy of your forecasts through comparison with actual observation. Forecasting is a difficult business, and even a meteorologist whose been forecasting all his/her life, will once in a while totally blow a forecast. So don't get frustrated. Use the *Understanding weather data handouts* and what you learn from them.

Part I – Choose a city in the United States or internationally. If you want to do an international city you may have to find web sites that host international weather data. You will record this on all documents that you submit

Part II – Make a forecast – You will do one practice forecast and then several that will count for your grade. You will be able to revise some of those forecasts. All forecasts and revisions will be submitted through Moodle. You will use the document *Forecast Project Worksheet* for your forecast and the document *Forecast Project Revision* for any revisions.

Part III – Calculating error – You will calculate the error of forecasts, both in temperature and precipitation.

Part IV – Analyzing the data - You will write up an analysis of your forecasting experience with your discussion covering several key points.

Part III and Part IV will be submitted in the same document *Forecast Project Analysis.*
Submissions are due by 11:55 pm Payton time of the due date. Payton time is usually 5 minutes fast.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
11/26/12 O Finish Practice handouts	11/27/12 B	11/28/112 O Make Forecast **Due:** Submit practice forecast worksheet by 11:55 pm for 11/29 & 11/30	11/29/12 B	11/30/12 O Analyze practice forecast with archived data Make forecast **Due**: Submit 1st forecast wksht by 11:55 pm for 12/01, 12/02, 12/03 & 12/04	12/01/12	12/02/12
12/03/12 B	12/04/12 O Analyse 1st forecast; Make forecast #2 Forecast **Due:** * Analysis #1 by 11:55 pm for 12/1, 12/2, 12/2 & 12/4 * Submit forecast #2 by 11:55pm for 12/04, 12/05, 12/06 & 12/07	12/05/12 Seminar	12/06/12 B	12/07/12 O Analyze forecast #2; Make forecast #3 **Due:** * Analysis #2 by 11:55 pm for 12/5, 12/6 & 12/7 * Submit forecast #3 by 11:55 pm for 12/08, 12/09, 12/10, 12/11, 12/12 and 12/13	12/08/12	12/09/12
12/10/12 B	12/11/12 O Revise forecast #3; **Due**: * Revision by 11:55 pm for 12/12 & 12/13	12/12/12 B	12/13/12 O Analysis #3 Forecast #4 for 12/14, 12/15, 12/16 and 12/17 **Due:*** Forecast #4 by 11:55 pm	12/14/12 B	12/15/12	12/16/12
12/17/12 O Final Analysis **Due:** Final Analysis by 11:55 pm	12/18/12 B	12/19/12 O Written Test on Weather	12/20/12 8 Period Day Planetarium	12/21/12 Seminar	Winter	Break

Revised 12/4/12