ATMOS 5010: Weather Forecasting
Course Overview

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Introductions
- Name
- Where you are from
- How you got into meteorology
- Your academic standing (e.g., senior)
- Your weather “surfing” and “forecasting” experience

Course Objective
At the end of this course you should be able to effectively use meteorological observations, numerical weather analysis and prediction models, and statistical forecast tools to produce detailed, verifiable, site-specific sensible weather forecasts in a time-limited environment

Format
- Two traditional lecture classes
- Some practice forecasting (training wheels stage)
- More forecasting!

Grading
- 50% accuracy of forecasts
- 25% attendance and participation
  - 1 absence without deduction
  - Each additional absence costs 5/25 points
- 25% online modules

Forecast Practicum
- Involves forecasting for KSLC and a floater site
- 16 variables for each city
- Validated using traditional skill scores
Forecast Practicum Web Pages

Getting Up To Speed

- This class emphasizes learning by doing
  - If you want to learn how to ride a bike, the best option is to get on it and start pedaling
  - I'll get you started, but how much you learn depends on your level of engagement

- Start doing practice forecasts now
  - Use web sites and/or IDV
  - Forecasting can be done entirely via web if desired, but at times, IDV can be useful

- Complete online MetEd modules
- Attend class and review lecture notes!

Web Sites

IDV

http://www.unidata.ucar.edu/software/idv/

Register, Download, Etc

IDV

YouTube Videos, Tutorials, etc.

Advice

Work together, share information, and swap knowledge and everyone wins