G&G 322a/522a  Physics of Weather and Climate  (Fall 2008)
TTh 2:30-3:45, KGL 119

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Office hour: TBD

Course web page:  http://www.geology.yale.edu/~sherwood/GG322a.html
(also on ClassesV2)

Textbook:

Optional supplemental reading:

Prerequisites: We will use calculus (multivariate) and physics (basic mechanics). Students will benefit from having some previous study of the atmosphere (e.g., G&G140a) although this is not required. A good physical science background will compensate for inexperience in geosciences (or vice versa), but students with neither will have to work hard!

Weekly assignments. Three of these will include take-home experiments with brief write-ups; the rest will be regular problem sets. Assignments will be handed out each Tuesday and will cover material that week, due the following Tuesday. Students signed up for 522a will be given extra reading and problems to do but will take the same exams.

Midterm exams  Two “mini” (40-minute) and one full (80-minute)
Final exam  Yes, time TBD

Grading:  
Weekly problem sets  10%
Take-home experiments  15%
Midterms  40%
Final  35%