G&G 322a/522a Introduction to Meteorology and Climatology
Fall 2002
TTh 9:00-10:15, KGL 119

Instructor: Steven Sherwood
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Course home page: http://www.geology.yale.edu/~sherwood/GG322a.html
Course office hour: TBD

Main textbook:

Wallace, J. M. and P. Hobbs, Atmospheric Science: an Introductory Survey,
Academic Press, 1977. We will go through most of this book.

Alternate books (on reserve at the science library):

Gordon, Grace, Schwerdtfeger and Byron-Scott, Dynamic Meteorology, Arnold, 1998

Prerequisites: Students will benefit from having some previous study of the atmosphere
(e.g., G&G201a) although this is not required. Calculus (multivariate) and basic physics
will be used fairly extensively. Previous exposure to thermodynamics or fluid mechanics
will be helpful. Internet access will also be assumed.

Course assignments:

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.

Midterm exam Thursday Oct. 24, in class.

Final exam Wednesday Dec. 18, 9:00 AM

Grading:

Weekly problem sets 10%
Take-home experiments 15%
Midterm 25%
Final 50%