

GEOS 501: Dynamic Meteorology

Semester	Spring 2012
Instructor	Dr. Shane D. Mayor
Lectures	Mon., Wed., Fri. 11:00–11:50 AM in Physical Science Building (PHSC) 225
Office hours	Available by appointment
Office	PHSC 126
Mailbox	Physics Dept. Office (PHSC 106A)
Phone	898–6337
E-mail	sdmayor@csuchico.edu
Class webpage	http://phys.csuchico.edu/sdmayor/GEOS501/index.html
Required book	Atmosphere, Ocean, and Climate Dynamics by John Marshall and R. Alan Plumb © 2008 Elsevier Inc.
Course Grade	Grades will be based upon the usual variety of factors including assignments, quizzes, and exams. Quizzes may be unannounced. Class participation and note taking are particularly important. Do not rely only on the book. A portion of your grade will be based upon attendance. If you cannot attend class due to illness, please send an e-mail (or call office) before class. Neatness and organization of written material is valued.
Course Goal	For students to be able to list the fluid properties of the atmosphere, the forces that control atmospheric motion, and in what types of flows they are significant. To be able to identify the equations describing atmospheric motion and describe the meaning of the terms. To obtain an introductory knowledge of the set up and procedures involved in solving problems in dynamic meteorology and performing numerical and laboratory simulation of atmospheric flows.
Final Exam	Monday, May 14, 12:00–1:50 PM, PHSC 225