

III. IPV thinking

Isentropic potential vorticity and the invertibility principle; structure of synoptic-scale systems in terms of IPV; Rossby-wave propagation; barotropic and baroclinic instability.

Grades: 50% in two non-comprehensive exams (tentatively scheduled for 10 March and 28 April); problem sets will be examined, but not graded and will be considered for borderline grades.

Course-related information (e.g., problem sets, solutions, supplementary material) to be disseminated at the class site <http://weather.ou.edu/~hblue/metr5413>.

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or fax only 405/325-4173.

All students are expected to be familiar with and abide by the OU Academic Misconduct Code. Information on this code and other student policies is located at <http://studentconduct.ou.edu>.