

METR 4433
Mesoscale Meteorology

This course is a qualitative and quantitative introduction to mesoscale phenomena in the middle and lower latitudes. Both dynamical and physical interpretations will be made. Topics include an introduction to mesoscale meteorology, scale analysis, deep and shallow severe and non-severe convection, severe weather phenomena, mountain flows and precipitation, drylines, land and sea breezes, and hurricanes.

General Information

Instructor: Prof. Jerry M. Straka

Office: 5113 NWC

Phone: 325-5503

E-Mail: jstraka@ou.edu

Class Room: NWC 5600

Class time: MWF 12:00PM-12:50PM

Office hours: Th from 1:00PM-3:00PM (or with announced additions or changes)

Additional office hours: By appointment with 24 hr e-mail notice.

This class has a grader

Grading

Writing Assignment	15%
Homework:	20% (Five Homeworks)
Test 1:	15%
Test 2:	15%
Test 3:	15%
Comprehensive final:	20%

100%	

Scores	Grades
90-100	A
80-89.9	B
70-70.9	C
60-69.9	D
<60	F

Books:

Mandatory: Mesoscale Meteorology, By P. Markowski and Y Richardson

Recommended: Synoptic-Dynamic Meteorology in Midlatitudes, I & II by H. Bluestein

Prerequisites:

A grade of C or better in Dynamics III and Synoptic Lab is required to be in this class.

Homework Policy:

Homework is due on the day assigned at the start of class. Homework is to be done alone, but you are free to discuss problems with each other. Copying homework will not be tolerated and reported as cheating.

Reasonable Accommodation:

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.

Academic Misconduct:

All provisions of the Norman Campus Academic Misconduct Code shall apply in cases of academic dishonesty. ANY violation of the Academic Misconduct Code will result in your removal from this course, and a grade of F will be recorded for the course. Academic misconduct is defined as “any act that improperly affects the evaluation of a student’s academic performance or achievement.” At the University of Oklahoma, academic integrity is expected from each student. Misconduct such as plagiarism, fabrication, and fraud, as well as attempting to commit such acts or assisting others in so doing, will not be tolerated. Students are responsible for knowing the OU Academic Code, which can be found at <http://studentconduct.ou.edu/> and <http://www.ou.edu/provost/integrity/>

Questions about the course:

If you ever have questions about the course or suggestions please notify by e-mail or tell me during office hours.