

Syllabus
METR 2013: Introduction to Meteorology I
Spring 2012

Time: TR 8:30 – 9:45 AM

Location: NWC 5600

Instructor: David Bodine

Office: NWC 4642 (Inside NWC 4630 on the fourth floor)

Office Hours: TR 10 AM – 12 PM, or by appointment (or just drop by if my door is opened)

Email: bodine@ou.edu

Pre-requisites: Grade of C or better in MATH 1823

Co-requisites: MATH 2423, PHYS 2514, CS 1313

Goal of the Course: The Introduction of Meteorology sequence introduces students to important phenomena and physical processes that occur in the Earth's atmosphere. Students will learn the basic concepts and instruments used to study atmospheric problems. Part I of the Introduction to Meteorology sequence focuses on atmospheric radiation, thermodynamics, moisture, stability, clouds, and precipitation.

Course textbooks:

1. C. D. Ahrens, Meteorology Today, 9th Edition, 2009
2. R. Stull, Meteorology for Scientists and Engineers, 2nd edition, 2000

Course grading:

Quizzes	20%
Exam 1	25%
Exam 2	25%
Final	30%

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/>

Examinations/Quizzes: If you have a major problem in your life, such as a death in the family, etc., and cannot be present for an examination or quiz, it is YOUR responsibility to tell me as soon as possible and make other arrangements.

Quizzes will be given over the homework assignments after the homework is due. I will provide solutions to the homework prior to the quizzes, and the quizzes will be similar to homework material.

Topic list:

1. Earth and Its Atmosphere
2. Warming the Earth and the Atmosphere
3. Seasonal and Daily Temperatures
4. Atmospheric Moisture
5. Stability and Cloud Development
6. Clouds
7. Precipitation
8. Weather Radar

Optional outside review sessions:

I will hold *optional* outside review sessions prior to exams. These sessions are an opportunity to ask questions about course material or homework problems, see more example problems, or clarify any concepts discussed in class. These sessions are not required and no new material will be presented during these sessions, but they should help you prepare for the exams.