

Course Syllabus

METR 2013: Introduction to Meteorology I

TTh, 8:30-9:45am, NWC 5600

Spring 2009

Instructor: Prof. Robert Palmer (rpalmer@ou.edu)
 Office & Hours: NWC 4614, 325-6319, 1:30-3:30pm Tues & Wed or anytime my door is open
 Class Homepage: Administered through Desire2Learn (<https://learn.ou.edu/>)
 Prerequisites: C or better in MATH 1823
 Corequisites: MATH 2423, PHYS 2514, CS 1313
 Texts: *Meteorology for Scientists and Engineers, 2nd Ed*, R. Stull, Brooks/Cole, 2000
Meteorology Today, 9th Ed, C. D. Ahrens, Brooks/Cole, 2009

Course Content

The Earth and Its Atmosphere

Ahrens Chapter 1 *Stull* Chapter 1

Warming the Earth and the Atmosphere & Temperature Variations: Overview

Ahrens Chapter 2 *Ahrens* Chapter 3

Warming the Earth and the Atmosphere & Temperature Variations: Theory

Stull Chapter 2 *Stull* Chapter 3

EXAM 1

Atmospheric Moisture

Ahrens Chapter 4 *Stull* Chapter 5

Stability and Cloud Development

Ahrens Chapter 6 *Stull* Chapter 6

Condensation: Dew, Fog, and Clouds

Ahrens Chapter 5

EXAM 2

Precipitation

Ahrens Chapter 7 *Stull* Chapter 8

Radar for Meteorological Studies

Palmer Notes

Light, Color, and Atmospheric Optics (time permitting)

Ahrens Chapter 19 *Stull* Chapter 19

FINAL EXAM

Grading

Quizzes	20%
Examinations (2)	2×25%
Comprehensive Final Examination	30%

Thursday, May 14, 2009, 4:30-6:30pm

Course Information

- Homework assignments are important for your understanding of the material. As such, assignments will be made and solutions provided. However, these homework problems will not be graded and it is up to you to work through the problems. Occasional help from a classmate is fine but be sure that you actually understand the material. It will help tremendously for you to come visit me in my office hours. You will be pleasantly surprised that I am not as mean as I look.
- Quizzes that are similar to the homework assignments will be given periodically to test your understanding of the material.
- Lectures, homework, quizzes, and examinations will emphasize quantitative problem solving. Laboratories (METR 2011) will be coordinated with the lectures and will help you to develop skills in the use of information technology. The Laboratory Assistant will handle all aspects of the laboratory administration.
- Academic Honesty: You should take pride in your work! Cheating on any assignment will not be tolerated. Please note that any such activity could result in a failing grade in the course and possible disciplinary action. You are responsible for knowing the University of Oklahoma Student Code which can be obtained at <http://www.ou.edu/studentcode/>.
- Assignments: No late assignments will be accepted.
- Pre-Finals Week: Note that a final quiz or laboratory assignment may be due during Pre-Finals Week.
- Examinations: If you cannot be present for an examination, it is YOUR responsibility to make other arrangements before the examination. Otherwise, the missed test cannot be retaken.
- Class participation is important. It is easier to ask a question during class rather than trying to learn the material on your own.
- Reasonable Accommodation Policy: The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Those having such a need are requested to speak with Prof. Palmer as early in the semester as possible. Students with disabilities also must be registered with the Office of Disability Services (ODS) prior to receiving accommodations in this course. You may contact the ODS at Goddard Health Center, Suite 166, phone 405-325-3852 or TTD only at 405-325-4173.