

Syllabus

METR 2013: INTRODUCTION TO METEOROLOGY I

TR, 08:30-09:45, NWC 1350
Fall 2006

Instructor: Prof. Phillip Chilson (chilson@ou.edu)
Office: NWC 4618, 325-5095, Office Hours: TR 10:00-11:30 MW
Feel free to come outside of office hours if my door is open

Prerequisites: C or better in MATH 1823

Corequisites: MATH 2423, PHYS 2514

Texts: *Meteorology for Scientists and Engineers, 2nd Ed*, R. Stull, Brooks/Cole, 2000
Meteorology Today, 8th Ed, C. D. Ahrens, Brooks/Cole, 2007

Course Content

The Earth and Its Atmosphere

Ahrens Chapter 1 *Stull* Chapter 1

Energy: Warming the Earth and the Atmosphere

Ahrens Chapter 2 *Stull* Chapter 2

Heat: Seasonal and Daily Temperatures

Ahrens Chapter 3 *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 *Stull* Chapter 7

_____ EXAM 2 _____

Precipitation

Ahrens Chapter 7 *Stull* Chapter 8

Atmospheric Radar

Chilson Notes

_____ FINAL EXAM _____

Class Homepage

The class home page will be available through Desire2Learn (<https://learn.ou.edu/>)

Grading

Quizzes	25%
Examinations (2)	50%
Comprehensive Final Examination	25%
<i>(Thursday, December 15, 1:30-3:30pm)</i>	

Course Information

Overview: Students are expected to learn the basic concepts pertaining to the Earth and its atmosphere, including thermodynamics, stability, clouds, precipitation, and optics. The lectures, homework, quizzes, and examinations have been designed to emphasize *quantitative* problem solving. Laboratories will be coordinated with the lectures and will help you to develop skills in the use of information technology. The Laboratory Assistant (Patrick Marsh) will handle all aspects of the laboratory administration.

Academic Honesty: Homework assignments are important for your understanding of the material. 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. Realize that simply copying a homework assignment from any source is considered cheating and will definitely not help your understanding. If caught, 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/>. Each assignment for this class must be accompanied by the following signed statement:

STATEMENT OF ACADEMIC INTEGRITY

On my honor I affirm that I have neither given nor received inappropriate aid in the completion of this exercise (homework, quiz, examination, laboratory report, etc.).

Signature: _____ Date: _____

Assignments: No late assignments will be accepted.

Pre-Finals Week: Note that a final homework 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.

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. Chilson 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.