

METR 1014–013: Weather and Climate Laboratory

Course Syllabus

Spring 2011

Tuesdays 6:30-8:20 PM, Room P201 SEC

Laboratory Instructor: Brett Zielke

Office: NWC Room 5110

Alternate Office: SEC Room N108

E-mail: brett.s.zielke-1@ou.edu

Office hours: T W 5:30-6:30 PM in the West Atrium by the Bedrock Café. If the atrium is unavailable or distracting, office hours can be moved to SEC 562. You can also schedule an appointment outside of normal office hours by e-mail.

Course Description:

This lab will cover a wide range of topics about weather and climate and serves as a complement to the material covered in the METR 1014 lectures.

Course Goals: 1) To gain an understanding of how material presented is used in real world meteorological applications and 2) to gain hands-on experience using some of the methods and techniques used in weather and climate studies.

Course Materials:

Text: C. Donald Ahrens, *Essentials of Meteorology: An Invitation to the Atmosphere*, (We will not be directly using the textbook in class, but it is a good reference text for your lab assignments)

Laboratory Manual: Oklahoma Climatological Survey, *Explorations in Meteorology*

Other lab Supplies: colored pencils, calculator

Laboratory Expectations:

Attendance and Make-Up Work

I will not take attendance at the beginning of class, but I will know who is there by who turns in their lab. I will not accept a lab turned in by a friend. In order to turn in a lab you must hand it in yourself.

If you need to miss a lab due to athletic or religious reasons please inform me as soon as possible, but by no later than one week prior to the missed class. It may be possible for you to attend an alternate lab session, but this first must be cleared with the proper teaching assistant. I understand that sometimes you will need to miss a lab due to illness or unavoidable circumstances (ex. A death in the family) and will not be able to provide the required one week notice. Please let me know as soon as possible and other arrangements can be made for you to receive credit for your lab.

Note: I will require a doctor's note to clear any absences resulting from illness.

Lab Structure

We will start each lab promptly at the stated starting time. Be sure to come prepared. This means bringing your lab manual, a pencil, eraser, and sometimes a calculator and colored pencils to each class. I will give a brief introduction to each lab before you start on your assignment, and this is a good time to ask questions if you have any.

Each student is required to do their own lab and turn in a lab report. Discussion of the lab concepts amongst your classmates is encouraged, however I expect you to come up with your own answers to the questions asked. Late lab reports will not be accepted unless there are extenuating circumstances that have been brought to my attention and cleared. If extenuating circumstances arise, and have been cleared, the lab must be made up within a week.

Labs are to be completed in class only. The two hours allotted to class should be sufficient to complete each lab, so please use your time effectively. Labs are due at the end of each lab period.

DO NOT WORK ON THE LAB EXERCISE BEFORE CLASS!! This will be considered a form of cheating, and will result in a score of zero on that particular lab.

Grading

Lab exercises	60%
Lab quizzes	40%

Your final lab grade will account for 25% of your total grade in the course. The labs will be graded for the most part on accuracy. You may lose points for sloppy or illegible work, so please be as neat as possible. The lowest lab percentage grade will be dropped. There will also be 5 quizzes over lab material throughout the semester.

Correspondence:

When sending me e-mails, please use your OU e-mail address and put METR 1014: last name in the subject line. I receive many e-mails and this will ensure that yours are read before the others.

Classroom Courtesy:

Cell phones, pagers, and watch alarms should be turned off or put to silent before coming to lab.

Desire2Learn Website:

I will be using Desire2Learn in this lab for posting grades, lab notes, and other important information. You can find this at <https://learn.ou.edu>. Please check it regularly for announcements.

Accommodation of Students with Disabilities

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 instructor 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. You may contact the office at 405-325-3852 (voice) or 405-325-4173 (TDD).

Academic Misconduct

Cheating will not be tolerated and will be reported. No exceptions, no excuses. Those found cheating will be penalized under the OU Academic Misconduct Code, which can be found at <http://www.ou.edu/provost/integrity>. In short, if you cheat, expect to be removed from the course and to receive an F for the course.