

Weather and Climate Laboratory - Syllabus  
METR 1014-911  
Spring 2011  
Tuesday 5:30-7:20, SEC P203

**Laboratory Instructor:** John R. Leeman  
**Office:** SEC E114  
**E-mail:** jleeman@ou.edu  
**Office hours:** 1 hour before lab

Please come take advantage of office hours if you have any questions or make an appointment via email if you cannot come by. I respond to all emails quickly. Remember you pay for this time, so use it!

**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 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 you will be required to bring it since it is a valuable reference text for your lab assignments)

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

**Other lab Supplies:** colored pencils, calculator

**Laboratory Expectations:**

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 prior to missing. Labs must be made up within one week of missing the lab, assuming you miss for an approved event.

**Attendance**

Attendance in lab session is MANDATORY. Labs must be turned in by YOU, I cannot accept it from a classmate.

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.

## **Lab Structure**

Please make your best effort to be on time and to not come in late as it disrupts the class. Be sure to come prepared. This means bringing a pencil, eraser, calculator, and sometimes 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.

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 20% 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. There will be 14 labs and the lowest lab grade will be dropped.

There will 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, watch alarms, etc should be turned off or put into silent mode 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.