

Syllabus: METR 1014 - 013 (Weather and Climate Laboratory) Spring 2009

Lab Meetings: Tuesday evenings, 6:30 – 8:20 PM, located in SEC P207. We will meet each Tuesday of the semester, except the week of Spring Break and the week prior to final exams.

Instructor: Matthew Van Den Broeke (Ph.D. student in Meteorology)

Contact Info: *Matthew.VanDenBroeke@OU.edu*—I check email often, so this is the best way to contact me.

Office Hours: Tuesday 12:45 – 1:30 PM; Thursday 2:45 – 3:30 PM, in *SEC 562*. Although I would prefer to meet at these times, I'm also willing to meet at other times, anywhere on campus—just email me.

Bring to *each* lab: your lab manual, pencils to write with, colored pencils, and a calculator. If special supplies are needed, I'll let you know prior to the lab. I also expect you to have read the lab prior to coming.

Lab Policies

Environment: I expect the lab environment to be interactive, professional, and challenging. At the same time, I hope we can have some fun learning meteorology together through the semester.

Group Work: You're encouraged to work in groups on the lab assignments. I expect, however, that all work you turn in represents your own original thought—write answers in your own words; express thoughts in your own way. This will help you learn the material much more thoroughly. If multiple students' labs have identical answers on short answer questions, only partial credit will be received for those answers. Work is to be completed during the lab time, rather than before you come.

Grades will be posted on Desire2Learn (learn.ou.edu). I will occasionally also use D2L to post additional materials for the lab, such as surveys and optional activities. Your lowest lab grade will be dropped.

Late Policy: I expect your work to be turned in by the end of lab. If it is not, you will receive a zero. If you are applying substantial effort to the lab, however, and need more time to finish, I will be accommodating. I will also be understanding of emergencies that may come up—in all cases, please communicate with me. If possible, please let me know *one week prior* to lab via email if you are unable to attend. Lack of attendance will result in a zero for that week's lab, unless you are excused for an official university event, are very sick, or have other extenuating circumstances. *Attendance will count as 10% of your final lab grade.* If it is arranged in advance, substantial timing conflicts may be avoided by letting you attend a different lab section.

Lab Schedule		
Week	Lab #	Lab Description
1	<i>No Lab</i>	First Week of Classes
2	Lab 1	Geography
3	Lab 2	Earth-Atmosphere System
4	Lab 3	Radiation
5	Lab 4	Temperature Cycle
6	Lab 5	Moisture
7	Lab 8	Radiosondes and Soundings
8	Lab 9	Soundings and Stability
9	<i>No Lab</i>	Spring Break Week
10	Lab 14	Precipitation Type
11	Lab 6	Air Masses and Fronts
12	Lab 7	Surface Map Analysis
13	Lab 10	Upper Air Analysis
14	Lab 13	Hurricanes
15	Lab 11	Thunderstorms
16	<i>No Lab</i>	Pre-finals Week

Academic Honesty: Any instances of academic dishonesty will be taken seriously. Penalties will be decided upon between the student, lab instructor, and course instructor. For further information, see the OU Student Academic Integrity site (<http://www.ou.edu/provost/pronew/content/integritymenu.html>) and the Academic Integrity statement (<http://www.ou.edu/provost/integrity/>).

Reasonable Accommodation: OU is committed to providing reasonable accommodation for students with disabilities. Students requiring accommodation in this lab should talk to me as soon as possible. In addition, you *must* be registered with the Office of Disability Services, Goddard Health Center, Suite 166, phone 325-3852, or TDD only 325-4173. Also see <http://drc.ou.edu/content/view/16/>

In this lab, it's my hope that we can have some fun learning introductory meteorology, and that you will gain greater appreciation for some of the processes leading to what we see every day as weather. I also hope this lab will build your critical thinking skills in a way applicable to other coursework, and to life in general. And always, if you have questions about anything in meteorology, please ask!