

Introduction to Weather and Climate (Lab) METR 1014 Spring 2010

Section 11: M 1:30p to 3:20p 223 Physical Science
Building

Section 14: F 1:30p to 3:20p P201 Sarkeys Energy
Center

Instructor: Richard Lam (richardlamch@gmail.com) (302-784-
5770)

Office Hours: 1) M 3:30p to 5p at Food Court of the Union [call to
locate me] 2) Appointment via email or phone 3) Online thru email
or facebook

Course

Website: <https://sites.google.com/site/richardlamch/Home/METR1014>

Course Objectives:

- Become more aware about weather and climate around us
- Be able to utilize weather and climate information to make your life easier and better
- Be able to share about your knowledge on weather and climate with others

Lab Expectations:

- Attend all lab meetings, they are mandatory! (Note: 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.)
- Complete all assignments with understanding on the course materials, not just finishing the assignments. You may not do as well in the exams/quizzes if you don't put your full efforts in completing the labs
- Be able to interact with instructors and other students to further understanding on course material.

Website:

- All course related materials and scores will be posted on <https://sites.google.com/site/richardlamch/Home/METR1014>
- A facebook group "METR 1014 with Richard Lam (Spring 2010)" is created for this lab. Please join it to see all the latest announcements

Classroom Courtesy:

- We will not be using cell phones, lab tops, or any kind of electronic equipments in this lab. So, please turn them off before the class starts.
- Help your classmate out in the assignment if they have questions, this is also a great learning experience for all of you guys to share what you have learned with others.

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: Color pencils, eraser, calculator*

Lab Structure:

- Lab will begin around the stated start time
- Come to class prepared with pencil, eraser, calculator, and colored pencils
- Most of the class period will be devoted to completing the lab assignment

Lab Grade:

- Lab activity: 60%
- Lab quizzes (5, lowest quiz grade dropped): 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.

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).

Lab Schedule:

<i>Week #</i>	<i>Date</i>	<i>Lab</i>	<i>Quiz</i>
<i>1</i>	<i>Jan 18/22</i>	<i>-----</i>	<i>-----</i>
<i>2</i>	<i>Jan 25/29</i>	<i>1) North American</i>	<i>-----</i>

		Geography	
3	Feb 1/5	?) Dimensions and Units	-----
4	Feb 8/12	2) Earth- Atmosphere System	-----
5	Feb 15/19	3) Radiation and Energy Transfer	Quiz 1 on: <ul style="list-style-type: none"> • 1) North American Geography
6	Feb 22/26	4) Daily Temperature	-----
7	March 1/5	5) Atmospheric Moisture	-----
8	March 8/12	6) Atmospheric Motions	Quiz 2 on: <ul style="list-style-type: none"> • 2) Earth- Atmosphere System • 3) Radiation and Energy Transfer • 4) D
9	March 15/19	Yay! Spring Break!	-----
10	March 22/26	7) Air Masses and Fronts	-----
11	March 29/April 2	8) Surface Map Analysis	Quiz 3 on: <ul style="list-style-type: none"> • 5) Atmospheric Moisture • 6) Atmospheric Motion
12	April 5/9	9) Mid-latitude Cyclones	-----
13	April 12/16	10) Thunderstorms and Tornadoes	Quiz 4 on:

			<ul style="list-style-type: none"> • <i>7) Air Masses and Fronts</i> • <i>8) Surface Map Analysis</i>
14	<i>April 19/23</i>	<i>11) Hurricane Tracks</i>	-----
15	<i>April 26/30</i>	<i>12) COMET Climate Module</i>	<i>Quiz 5 on:</i> <ul style="list-style-type: none"> • <i>9) Mid-latitude Cyclones</i> • <i>10) Thunderstorms and Tornadoe</i>
16	<i>May 3/7</i>	<i>No Lab Meeting; Lab 12) COMET Climate Module is due</i>	-----