

**ATMO 105 Laboratory**  
**TR 2:30 – 4:20 p.m.**  
**Lindley 225**  
**Fall 2008**

**Instructor Information:**

Ava Dinges  
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Office Hours: Mondays 1:30 – 3:30 p.m. or by appt.  
Office Location: Lindley 405 (MACH)

**Schedule:**

Date	Day	Lab#	Lab Topics
8/21	R	--	First day of classes, no lab
8/25-26	M/T	--	<b>No lab</b>
8/27-28	W/R	--	Introduction and Orientation
9/1-2	M/T	--	<b>No lab</b> , Labor Day holiday
9/3-4	W/R	1	Station Models
9/8-9	M/T	2	Isolines
9/10-11	W/R	3	Measuring Air Temperature
9/15-16	M/T	8	Radiation and Heating Experiment
9/17-18	W/R	29	The Seasons and Energy Balance
9/22-23	M/T	16	Geostrophic and Gradient Wind
9/24-25	W/R	17	Horizontal Winds
9/29-30	M/T	--	<i>Feedback</i> (1,2,3,8,29,16)/Quiz
10/1-2	W/R	5	Measuring Moisture Variables
10/6-7	M/T	14	Cloud Identification-Weather Obs
10/8-9	W/R	15	Cloud and Precipitation Processes
10/13-14	M/T	7	Map Analysis
10/15-16	W/R	--	<b>No lab</b> , Fall Break
10/20-21	M/T	--	<i>Feedback</i> (17,5,14,15,7)/Quiz
10/22-23	W/R	11	Stability in the Atmosphere
10/27-28	M/T	--	<b>Lab Mid-Term</b>
10/29-30	W/R	12	Lifting Processes
11/3-4	M/T	19	Air Masses and Fronts
11/5-6	W/R	20	Streamlines, Trajectories, Grad & Adv
11/10-11	M/T	21	Mid-Latitude Cyclones
11/12-13	W/R	24	Severe Weather
11/17-18	M/T	--	<i>Feedback</i> (11,12,19,20,21)/Quiz
11/19-20	W/R	22	Introduction to Weather Forecasting
11/24-25	M/T	23	Nowcasting
11/26-27	W/T	--	<b>No lab</b> , Thanksgiving
12/1-2	M/T	26	Air Pollution
12/3-4	W/R	28	Climate and Climate Controls
12/8-9	M/T	--	<i>Feedback</i> (24,22,23,26,28)/Quiz
12/10-11	W/R	--	<b>Lab Final</b>

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**Lab procedures:** You should complete each lab in class and turn it in for grading on the day it is assigned. Labs that cannot be finished during a lab session due to length are due at the beginning of the next lab. *Labs may not be turned in for credit after this time. Labs that were to be completed during a class missed without excuse will not be accepted at any time.*

**Pre-lab procedures:** You must complete a pre-lab for each lab that is assigned, before coming to class. The pre-lab is due at the beginning of class. Failure to do so will result in a zero for the pre-lab and a zero for the corresponding lab.

**Attendance: Attendance is mandatory.** You should come to lab each day on time. Should there be special circumstances, please let your instructor know ahead of time. If you are ill, or have other emergencies, please bring appropriate documentation. **If you miss more than five unexcused labs, you will receive a failing grade for the lab and the course.**

**Special Materials:** In addition to your laboratory manual and textbook please bring the following to each lab: number two lead pencils, colored (erasable) pencils, a good eraser, ruler/straight edge, graph paper, and calculator.

**Grades:** Your performance in laboratory will make up 30% of your course grade and you must pass both lecture and lab in order to pass the course. Your lab grade will be determined using the following:

Labs, 20 at 20 points each:	400
Pre-labs, 20 at 5 points each:	100
Midterm exam:	100
Lab final:	100
<u>Quizzes, 4 at 25 points each:</u>	<u>100</u>
Total points possible:	800

**Cell Phones:** Please turn off or silence your cell phone and refrain from using the cell phone text message feature while class is in session.

**Electronic Devices:** No electronic devices will be allowed during examinations. This includes, but is not limited to, cell phones, cell phone calculators, PDAs, Blackberries, and any devices with earphones or earbuds (i.e., requiring in-ear placement). “Old fashion” calculators may be used, if needed.

**HANDICAPPED STUDENTS:** Any student in this course who has a disability that may prevent him/her from fully demonstrating his/her abilities should contact the instructor as soon as possible to discuss accommodations necessary to ensure full participation and facilitate the educational opportunity.

**INTELLECTUAL PROPERTY:** Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the

instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited. On request, the instructor will usually grant permission for students to audio tape lectures, on the condition that these audio tapes are only used as a study aid by the individual making the recording. Unless explicit permission is obtained from the instructor, recordings of lectures and review sessions may not be modified and must not be transferred or transmitted to any other person, whether or not that individual is enrolled in the course.

**CHEATING:** Cheating in any manner will not be tolerated. Note that cheating includes handing in for credit work that is not your own. Any student discovered cheating will be given an F for the course and a letter explaining that the grade was given for academic misconduct will be sent to the student's school or college.