

OXFORD COLLEGE

Geosciences 115 - Meteorology and Climatology

Spring 1997

Course Announcements

Instructor: Dr. Stephen W. Henderson

Office: 106 Pierce Hall

Office Phone: 784-8345

Text: Lutgens and Tarbuck, 1995, The Atmosphere, 6th edition

Lab Manual: Paul, 1996, Exercises in Meteorology, 2nd ed.

Organization: The class will meet for lecture 3 times each week:
Monday, Wednesday, and Friday at 9:00 a.m.
Laboratory will meet from 2:00-5:00 on Monday.

Attendance: All students are expected to attend all scheduled lecture and laboratory sessions. Attendance will be taken. No unexcused cuts are allowed in lab. Lab quizzes cannot be made up without a valid excuse. Students who have an absence in lab will have their final grade reduced 3 points per absence. A student who has four or fewer lecture cuts for the entire semester will receive the addition of two points to the final course average. There are no excused absences. Students having six or more lecture absences will have their final course grade reduced one point per absence starting with the sixth absence.

Grading System: Geography 141 will use the plus-minus grading system. The distribution of grades is as follows:

A	93-100	C+	77-79
A-	90-92	C	73-76
B+	87-89	C-	70-72
B	83-86	D+	67-69
B-	80-82	D	60-66
		F	59 and below

EMORY UNIVERSITY



050000003387

Evaluation: Lecture work will comprise 60% of your final average. Lab will comprise the other 40%. It is broken down as follows:

Weekly Friday lecture quizzes (best 11 of 13)	20%
Lecture Test #1 on 2/5	10%
Lecture Test #2 on 2/26	10%
Lecture Test #3 on 4/9	10%
Final Exam on 5/7	10%
Lab Quizzes (best 6 of 7)	10%
Lab Test on 3/3 in Lab	15%
Lab Test on 4/28 in Lab	15%

Tentative Lecture Schedule and Reading Assignments:

<u>Day</u>	<u>Topic for the Week</u>	<u>Text Assignment for the Week</u>
W 1/15 F 1/17	Introduction to the Atmosphere	Chapter 1
W 1/22 F 1/24	The Atmosphere and Radiation	Chapter 1 & 2
M 1/27 W 1/29 F 1/31	Radiation and Temperature	Chapters 2 & 3
	Atmospheric Optics	Chapter 16
M 2/3 W 2/5 F 2/7	Lecture Test #1 Moisture and Atmospheric Stability	Chapter 4
M 2/10 W 2/12 F 2/14		Chapter 4
	Condensation and Precipitation	Chapter 5
M 2/17 W 2/19 F 2/21	Air Pressure and Winds	Chapter 6
M 2/24 W 2/26 F 2/28	Lecture Test #2 Atmospheric Circulation	Chapter 7

M 3/3
W 3/5
F 3/7

Chapter 7

SPRING BREAK SPRING BREAK SPRING BREAK SPRING BREAK

M 3/17
W 3/19
F 3/21

Air Masses

Chapter 8

Weather Patterns

Chapter 9

M 3/24
W 3/26
F 3/28

Thunderstorms and Tornadoes

Chapter 10

M 3/31
W 4/2
F 4/4

Hurricanes

Chapter 11

M 4/7
W 4/9
F 4/11

Lecture Test #3
Global Climate

Chapter 15

M 4/14
W 4/16
F 4/18

Global Climate

Chapter 15

M 4/21
W 4/23
F 4/25

Global Climate

Chapter 15

M 4/28

Global Climate

Chapter 15

Laboratory Schedule for Geosciences 115:

<u>Lab Day</u>	<u>Ex. #</u>	<u>Title of Exercise</u>	<u>Quiz at Beginning of Lab?</u>
1/27	1	Introduction	No
2/3	3	Earth-Sun Relationships	Yes
2/10	5	Temperature	No
2/17	6	Air Pressure	Yes
2/24	7	Wind and the Global Circulation	Yes
3/3		LAB TEST # 1	
3/17	8	Moisture in the Atmosphere	Yes
3/24	10	Air Masses, Fronts, and Severe Storms	Yes
3/31	11	The Weather Map	Yes
4/7	12	Weather Analysis	No
4/14		Weather at Oxford, Georgia	No
4/21	13	Climate	Yes
4/28		LAB TEST # 2	