

**WEATHER AND CLIMATE LAB  
FALL 2011**

**Section 501 (Thursday 3:30-5:20p, Room 004 Callcott)**

Lab web page: <http://people.cas.sc.edu/carbone/202/202lab.html>

TA: Juliana Lam

Office: Room 219 Callcott

Office Hours: Tuesdays and Thursdays, 12:30-2:00p, or by appointment

Mailbox: Room 118 Callcott

Email: juliana.lam10@gmail.com

<u>Date</u>	<u>Lab #</u>	<u>Topic</u>
Aug. 18	1 & App. A	Introduction; Dimensions and Units; Vertical structure of the atmosphere
25*	2 & App. C	Earth-sun geometry; GeoClock
Sep. 1*	3 & 4	The Surface energy budget; The global energy budget
8	Lab Exam 1	
15	5	Atmospheric moisture
22*	6 & 7	Saturation and atmospheric stability; Cloud droplets and raindrops
29	Lab Exam 2	
Oct. 6	8	Atmospheric motion
13*	9 & 10	Weather map analysis & Mid-Latitude cyclones
20	Fall Break	
27*	11	Thunderstorms and tornadoes
Nov. 1*	12	Hurricanes
3	Lab Exam 3	
10	13 & 14	Climatic controls; Climate classification
17*	15	Climatic variability and change;
Dec. 1*	16	Simulating climatic change

**Dec. 7 Final Exam** (32 points; Tuesday, 2:00 pm, room 112, after lecture final)

<b>Evaluation:</b>	* 8 weekly quizzes @ 9 points each	=	72 pts.
	4 lab exams (36, 22, 38, 32)	=	<u>128 pts.</u>
	Total	=	200 pts.

- Attendance is required at all scheduled labs for the full lab period. Each lab should be read before lab time. Please bring materials such as a calculator or ruler when appropriate.
- Weekly quizzes will be based on the previous week's lab and the current lab (the quizzes will be given on the dates indicated with an asterisk). They cannot be made up.

## WEATHER AND CLIMATE LAB FALL 2010

### Section 002 (Wednesday 2:30-4:20, Room 004 Callcott)

Lab web page: <http://people.cas.sc.edu/carbone/202/202lab.html>

TA: Joshua Leisen

Office: Room 109 Callcott

Office Hours: Monday 2:00-3:30 p.m.; Tuesday 1:00-2:30 p.m.; or by appointment

Mailbox: Room 118 Callcott

Email: [leisenj@email.sc.edu](mailto:leisenj@email.sc.edu)

<u>Date</u>	<u>Lab #</u>	<u>Topic</u>
Aug. 25	1 & App. A	Introduction; Dimensions and Units; Vertical structure of the atmosphere
Sep. 1*	2 & App. C	Earth-sun geometry; GeoClock
Sep. 8*	3 & 4	The Surface energy budget; The global energy budget
Sep. 15*	5	Atmospheric moisture
Sep. 22*	6 & 7	Saturation and atmospheric stability; Cloud droplets and raindrops
Sep. 29	<b>Lab Exam 1</b> (51 points)	
Oct. 6	8	Atmospheric motion
Oct. 13*	9	Weather map analysis
Oct. 20*	10	Mid-Latitude cyclones
Oct. 27*	11	Thunderstorms and tornadoes
Nov. 3	<b>Lab Exam 2</b> (34 points)	
Nov. 10	12	Hurricanes
Nov. 17*	13 & 14	Climatic controls; Climate classification
Dec. 1*	15 & 16	Climatic variability and change; Simulating climatic change

**Dec. 7 Final Exam** (34 points; Tuesday, 2:00 pm, room 201, after lecture final)

<b>Evaluation:</b>	* 9 weekly quizzes @ 9 points each	= 81 pts.
	3 lab exams (51, 34, 34)	= <u>119 pts.</u>
	Total	= 200 pts.

- Attendance is required at all scheduled labs for the full lab period. If you are unable to attend your scheduled lab, please inform your TA and be sure to attend the other lab session (Wednesday 12:20-2:10pm, Room 004 Callcott).
- Each lab should be read before lab time. Please bring materials such as a calculator or ruler when appropriate.
- Weekly quizzes will be based on the previous week's lab and the current lab (the quizzes will be given on the dates indicated with an asterisk). They cannot be made up.

- At the end of each lab, your TA will ask you to complete a lab review sheet.