

## ATMS 120C – Spring 2006 Severe & Hazardous Weather



**Course Objectives:** Students will gain an understanding and appreciation for extreme weather events including their physical nature, impacts, and the technology used in detection and forecasting.

**Prerequisites:** none

**Credits:** 3 hours

**Satisfies:** General Education Criteria for Physical Science (Natural Sci. & Tech. - NAT)

**Location:** Chemistry Annex room 112

**Time:** TR 2:00 – 3:15 p.m.

**Professor:**

Donna Charlevoix  
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217.244.9575

Room 111  
Atmospheric Sciences Bldg.  
105 S. Gregory St., Urbana

*office hours:*  
At Espresso Royal (Urbana)  
Mon. 1:00 – 1:45pm  
Tues. 3:30 – 4:30pm  
& by appointment

**Teaching Assistant:**

Matt Sanders  
[msander4@atmos.uiuc.edu](mailto:msander4@atmos.uiuc.edu)  
217.333.8242

Room 214  
Atmospheric Sciences Bldg.  
105 S. Gregory St., Urbana

*office hours:*  
Tues. & Thurs.  
11:50am – 12:30pm  
& by appointment

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**Textbook:**

*required:* Severe and Hazardous Weather: An Introduction to High Impact Meteorology.  
Raubert et al., Second edition. Kendall/Hunt (2005).

*required:* Active Learning exercises for Severe and Hazardous Weather. Second edition (2005).

**Webpage:**

We are using Illinois Compass as our course software. You will need to access it on a regular basis for homework, announcements, and discussion boards: <http://compass.uiuc.edu>

## **COURSE POLICIES**

Class Courtesy: You are in a large lecture class and are expected to be respectful of fellow students, professor, and TA. Failure to do so will result in dismissal from class. If you are not sure of whether a particular behavior is appropriate, see the professor or TA. Examples of class courtesy include:

- 1) turning off cell phones, pagers, other sound-making devices before class,
- 2) sitting toward the back of the room if you must leave early or arrive late (and notifying the professor in advance if you must leave early),
- 3) not distracting your classmates by talking or making other noises.

Extra Assistance: The preferred methods for obtaining extra assistance are to attend office hours or post your questions to the Compass discussion board. If you send email, identify your class (ATMS 120C) in the subject heading of the message.

Academic Honesty: You are expected to complete your work independently, in accordance with University policy<sup>1</sup>. *Failure to do so will result in strict disciplinary action, including loss of all credit for the assignment, notification of a dean, and possible dismissal from the University.* You may work with others on homework, but the final product must be your own.

Special Needs: To insure that disability-related concerns are properly addressed from the beginning, students with disabilities who require reasonable accommodations to participate in this class are asked to see the instructor as soon as possible in accordance with university policy.

## **COURSEWORK**

Class Activities: During lecture we will do practice exercises from the "active learning exercises" workbook. You should bring your workbook to each class. *Missed exercises cannot be made up for credit* but should be done on your own. Similar problems will appear on homework and exams. Please CLEARLY PRINT your full name on these exercises or any other material we collect.

On-Line Assignments: Due dates are listed under "Important Dates" in this syllabus. Six homework assignments will be accessible and submitted via the Compass web site. Other assignments will be assigned as listed below. Completion will count toward your class activity grade.

*Late homework will not be accepted under any circumstances – do not even ask. All homework is submitted via Compass. It is your responsibility to be sure you have completed and submitted the assignment prior to the deadline. Computer glitches, web site down-time, being off campus, etc. are not acceptable excuses for late homework.*

Exams: There will be three exams. Two exams will be during the normal class meeting time, the third exam will be during finals week (see below for date). An optional evening review session will be held a few days before each exam. Exams are cumulative in nature due to the material. A study guide will be provided prior to each exam. Final exam locations will be announced in class. You must take exams at the scheduled time – *no exceptions.*

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<sup>1</sup> <http://www.admin.uiuc.edu/policy/code/>

**GRADING** (*This is a very fair & generous curve that will not change depending on class performance.*)

Class Activities	5 % of grade	A+	95 – 100%	C+	70 – 71.99
Homework	30% of grade	A	87 – 94.99	C	62 – 69.99
Exam #1:	20% of grade	A-	85 – 86.99	C-	60 – 61.99
Exam #2:	20% of grade	B+	83 – 84.99	D+	58 – 59.99
Exam #3 (Final):	25% of grade	B	74 – 82.99	D	52 – 57.99
		B-	72 – 73.99	D-	50 – 51.99
				F	< 50

**IMPORTANT DATES**

<u>Last day to drop</u>	Friday, March 10 (must be initiated by the student)
<u>Last day of class</u>	Tuesday, May 2

On-line Assignments

	<i>Available</i>	<i>Due</i>
Intro Survey	Tues. Jan. 17	Tues. Jan. 31 at 5:00 p.m.
Vote Topic	Tues. Jan. 17	Tues. Jan. 31 at 5:00 p.m.
Homework #1	Thurs. Jan. 26	Tues. Feb. 7 at 5:00 p.m.
Homework #2	Tues. Feb. 7	Tues. Feb. 14 at 5:00 p.m.
Homework #3	Thurs. Mar. 2	Thurs. Mar. 9 at 5:00 p.m.
Homework #4	Thurs. Mar. 9	Thurs. Mar. 16 at 5:00 p.m.
Homework #5	Tues. Apr. 11	Tues. Apr. 18 at 5:00 p.m.
Homework #6	Tues. Apr. 25	Tues. May. 2 at 5:00 p.m.

Exam #1 – Thurs. Feb. 16 (In Class)

Exam #2 – Thurs. Mar. 30 (In Class)

Exam #3 (Final) – Mon. May 8, 1:30 – 4:30p.m.

**TENTATIVE COURSE PLAN**

Students will vote on which topics will be covered. A daily schedule will be posted on Compass after voting is complete. All voting will be done via Compass and must be completed by January 31.