

ATM 209 “Weather Workshop”

Fall 2023 – Class # 4044 – 3:00-4:20 PM, Thur., ETEC 450

Instructor: Ross Lazear

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Office hours:

2:00-3:00 PM, Mondays and Wednesdays

In-person, but Zoom by request

Class webpage: <http://www.atmos.albany.edu/facstaff/ralazear/ATM209>

Topics covered:

Surface weather data plotting

METAR code

Thermodynamic charts (“Skew-T” diagrams)

Moisture variables

Cloud types

Any interesting current weather...

Textbook: No textbook required.

Prerequisites:

You are required to be enrolled in, or have already taken ATM 210 and its pre/co-requisites (MAT 112, PHY 140) in order to take this class.

Objectives and Grading:

This weather workshop is intended to complement your coursework in ATM 210, as well as provide training for ATM 211 next semester. Most weeks, homework is assigned, and while not graded, homework must be completed following each lecture to guide in learning the material. Keys to these assignments will allow you to self-check your work.

*Attendance is **mandatory**.* 10% of your grade (10 points) will be based on attendance:

Unexcused absence #1: -5 points

Unexcused absence #2: -10 points

Absences are excused if you make sure to let me know of your legitimate, impending absence anytime well before class.

The remaining 90% of your grade (90 points) is based on three quizzes on the following dates:

Quiz #1: Thursday, September 14

Quiz #2: Thursday, October 26

Quiz #3: Thursday, November 30

Thus, your total grade in this class will be out of 100 possible points. Unexcused absences will undoubtedly hurt your grade, so be sure to come to class!

Materials needed:

You'll be required to purchase a laminated Skew-T (~\$12) and wet-erase markers (~\$6); the links for these will be provided early in the semester.

Undergraduate academic regulations, and standards of academic integrity:

https://www.albany.edu/undergraduate_bulletin/regulations.html