ATM 311
Severe and Hazardous Weather
Fall 2021 – Class # 1176 – Tue., Thur., 10:30-11:50 AM, Mon. or, Wed., 4:30-5:25 PM
Instructor: Ross Lazear, ETEC 417  Phone: 437-3601
rlazear@albany.edu

Ross Lazear’s office hours:
2:00-3:00 PM, Mon., and Wed., and by appointment
ETEC 417 and Zoom:
Zoom link for office hours (waiting room, no password):
https://albany.zoom.us/j/620353582

TA: Richard Garmong; rgarmong@albany.edu
Office hours: 3:00-4:00 PM, Tue., and Thur., and by appointment
Zoom link for office hours (password 360041):
https://albany.zoom.us/j/92659837635

Class webpage: http://www.atmos.albany.edu/facstaff/ralazear/ATM311

Topics covered:
Tropical cyclones
Thunderstorms (supercells, MCS, seabreeze circulations)
Lightning
Hail
Tornadoes
Severe weather forecasting and case analysis
Ice storms
Lake-effect precipitation

Objectives:
The goals of this course are to teach you the fundamental processes associated with the various meteorological phenomena listed above, and honing your weather forecasting skills. As a part of this course, you will be making your own short-term forecasts for Albany, NY in our local forecasting competition. Each week, your forecasts will be discussed in detail in a group setting during your lab section (Monday or Wednesday).

Grading:
***20% Quizzes: Announced quizzes covering recent lecture material and geography.
***25% Three-quarter Exam
***10% Forecasting (details on a separate sheet)
***30% Homework and Projects
   Late same day: 10% off; next day 20%; then 30%; 50%; no credit.
***15% Map Discussion: This will be broken up as 12% for your individual map discussion, and 3% participation.

Undergraduate academic regulations, and standards of academic integrity:
https://www.albany.edu/undergraduate_bulletin/regulations.html

* Note: Attendance in your weekly discussion section is mandatory.