Atmospheric Sciences 437
Forecasting Practicum

Instructor: Professor Brian Colle, 125 Endeavour Hall, SoMAS
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Office Hours: by appointment

Optional Text:

Other Useful References:
“Mesoscale Meteorology in Midlatitudes”, Markowski and Richardson (2009)
There will also be online training at http://www.meted.ucar.edu/
and many handouts/powerpoints at: http://blizzard.msrc.sunysb.edu/~colle/ATM347

Learning Objectives:

- Forecast for either Stony Brook, NY or a city designated by the National Forecast Contest
- Practice some more advanced forecasting approaches using various online training modules supplied by UCAR-COMET
- Learn how to write weather discussions and forecasts for the SoMAS website
- Evaluate forecasts and determine reasons for any errors

Class outline and Grading:

Lectures and weekly topic will focus on the COMET MetEd web page:
https://www.meted.ucar.edu/

50% Forecasts (Participate in National Forecast Contest, and forecast for Stony Brook web page at least twice per week).
50% Web module exercises (students required to do at least one web module a week).

National Forecast Contest:
Forecasts M-TH for a different city every other week on the wx challenge website (http://wxchallenge.com). See handouts for more information.
Also, each student must make two web forecasts for the SB campus during one other morning/afternoon in the week. Forecasts are entered on the atmsci computer.
Americans with Disabilities Act:
If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Academic Integrity:
Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person’s work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

Critical Incident Management:
Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students’ ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.