

Course:

Atm 619 Cyclone Workshop Seminar Spring 2016
Class Number: 8800; Credits: 3

Schedule:

TuTh 2:45 p.m.–4:05 p.m., ES 232

Professor:

Daniel Keyser, ES 224, 442–4559, dkeyser@albany.edu
Office hours: MW 1:00 p.m.–2:00 p.m. and by appointment

Prerequisite:

Atm 511 or consent of instructor

Grading:

S/U grading

Scope of Course:

The Cyclone Workshop Seminar is inspired by the long-term scientific, educational, and operational impacts of the Cyclone Workshop, since its inception in 1979, on synoptic-dynamic meteorology and weather forecasting. Quoting from the 17th Cyclone Workshop (2015) Web page,

“The Cyclone Workshop provides a forum for discussions on current research topics in the field of synoptic and mesoscale meteorology. The Workshop is organized by and for researchers and operational meteorologists, and covers a broad range of topics including: extratropical cyclone lifecycles, global dynamics and energetics, severe local storms, tropical–extratropical interactions, tropical cyclone formation and forecasting, numerical modelling and predictability.”

More concisely, the mission statement of the Cyclone Workshop is

“If it rotates, we want to hear about it!”

Consistent with this background, the Cyclone Workshop Seminar will be designed to reflect the interests of participating students, who will propose, conduct, and complete a semester-length research project on a topic covered by or closely related to the themes of the Cyclone Workshop. Students will present informal lectures and select readings in consultation with the instructor on these topics, and the selected readings will be discussed in class. Class time also will be utilized for students to report periodically on their research projects and to solicit constructive feedback from the instructor and the other students participating in the seminar. The research projects will be presented in written and oral form at the end of the semester, and should be appropriate for presentation at the 18th Cyclone Workshop.

The course grading is S/U and there will be no homework or exams. Regular attendance, completion of the assigned readings, participation in class discussions, and completion of the research project will be required for a satisfactory grade.