**Syllabus for Atm 601 Fall 2018:**

**Course:**

Atm 601 Synoptic Laboratory III
Fall 2018
Class Number: 10015
Credits: 3

**Schedule:**

TuTh 2:45 – 4:05 pm
Classroom: ES-0144

Professor: Lance Bosart, ES-227, Ph: 442-45645, email: lbosart@albany.edu

**Prerequisite:**

Atm 511 or consent on instructor

**Grading: S/U**

**Course Content and Scope:**

Atm 601 will be designed to reflect the interests of registered students, who will propose, conduct, and complete a semester-length research project on a topic related to synoptic-dynamic meteorology. The instructor will give occasional topical lectures to help set the table for different topics under discussion. Students may work individually or in groups. Examples of group projects, chosen by students, could be: (1) extreme weather events, (2) predictability issues at the weather-climate interface predictability, (3) high-impact major cyclogenesis events, (4) weather regime onset, persistence and decay, and (5) arctic-midlatitude interactions. I will assign readings on topics related to the selected research projects, and the assigned readings will be discussed in class. Class time also will be utilized for students to report on their research projects and to solicit feedback from me and the other students. The research projects will be presented in written and oral form at the end of the semester, and should be appropriate for presentation at a workshop or conference. All written research projects should to be fully compliant with American Meteorological Society guidelines for submitting research papers for formal publication.

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