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Time: Thursday: 12:30PM-1:45PM  
Location: AHC5 357  
Office hours: Thursday, 1:45 PM-2:15 PM or by appointment

Course Web Site: <http://faculty.fiu.edu/~hajian/MET4520L/MET4520L.html>

### Course overview

This lab course is offered at the same term with MET 3502/MET5561—Synoptic Meteorology course with a focus on analysis and forecasting of middle-latitude and tropical weather systems, including tropical cyclones. It provides students with an introduction to the tools and techniques used for contemporary weather forecasting. Students will be required to give weather forecast discussions to develop an understanding of the weather forecasting process, and gain experience in communicating weather forecasts. It's a vital practice for students in meteorological major.

**Prerequisite/Corequisite:** MET 3502 Synoptic Meteorology or instructor's permission.

**Credit Hours:** 1 (students can take this course repeatedly for up to 4 credits)

### Course format

Students will rotate during the semester to do weather discussions in class. During each class meeting, there will be two students as weather discussion leaders to give weather discussion presentations. Each student will be required to give **three to four** 15 minute weather discussions during the semester. You can either team up with your classmate(s) who signed up for the same day, or you can do it on your own. The weather discussion leaders should examine recent, current, and future weather scenarios and forecast challenges. The purpose of the weather discussion in this course is to develop your ability to organize effective discussion, improve your communication skills, and apply the concepts learned in class to the real-time weather situation. As part of the weather discussion, the student discussion leaders must prepare:

*A 15 minute presentation relating the past, present, and future weather conditions in Miami and other weather of interest, and provide a quantified forecast of the following for Miami:*

*Today's Max Temperature (10-04 UTC)*

*Tonight's Min Temperature (22-16 UTC)*

*Tomorrow's Max Temperature (10-04 UTC)*

**Grading:** Pass or Fail. A student will fail the course if he/she doesn't give the required weather discussions or he/she missed more than 5 times of class meetings without a valid excuse. Valid excuses include death, severe illness, and field project participation.