Instructor:
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TAs:
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Meeting times: January 12, 14, 19, 21, 24, 26 (Presentations), and 28 (Guest Lecture - Mish Michaels of CBS 4), 01:30-03:00pm, 54-915. See the course website for a detailed schedule.


In this course, you will learn the basic principles of synoptic meteorology and weather forecasting, and analyze hourly weather data and numerical weather prediction models.

Assignments

There will be 4 assignments during the first 2 weeks of the course. Each assignment will have 3 parts: a reading with questions, an analysis of current weather, and a case study. Assignments must be turned in on time. If there are extenuating circumstances, consult Dr. Illari.

During the final week of the course, you will produce 4 forecasts for Boston (you will email the following day’s forecast to the instructors by 7pm each night, and submit forecast workup sheets at the following class) as part of a 12.310 forecasting competition. Students who fail to make all 4 forecasts on time will be disqualified from the competition. Also, in small groups, you will create a brief “TV-style” forecast presentation for a US city that is assigned to you. Each group member should present 1 or 2 slides (Powerpoint or overhead).

Grading

The course carries 6 units of credit, graded P/D/F. In order to pass the course, we expect you to complete all 4 assignments, produce all 4 weather forecasts (including the workup sheets), and participate in a group weather forecasting presentation. We also expect you to attend all 7 sessions.