

EESA09H3 - Wind

Instructor: Tanzina Mohsin

Room: SW653

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Office Hours: Thursday :2:30 to 4:30 pm

Teaching Assistants: Joyce Zhang (weather stations tours)
Shannon (marking quizzes)

Lecture Time: Thursday, 6:00 pm-9:00 pm (SY110)

Midterm Test: June 24 (tentative), time and place to be announced

Course Description:

A survey of the science, history and applications of wind. Topics include storms including hurricanes, tornadoes and midlatitude cyclones, global circulation, local circulations, measurement of winds, impact of winds on land surfaces, wind power, winds and pollution, historical and literary winds, and contemporary wind research. No prior knowledge of environmental science is required.

Tentative Lecture List:

1. Introduction to Wind	May 7
2. Winds of the World	May 14
3. Hurricanes	May 21
4. Midlatitude Cyclones	May 28
5. Thunderstorms/Tornadoes	June 4
6. Polar lows	June 11
7. Thermal winds	June 18
8. MIDTERM	June 25 (6:00-8:00 pm)
9. Reading week	July 2
10. Wind measurement	July 9
11. Winds and Pollution	July 16
12. Wind Power	July 23
13. Future Wind / Climatic Change	July30

Evaluation:

Midterm Test: 30%

Participation: 20%

Final: 50%

Participation mark opportunities will occur near the end of each lecture 2-11. Out of class opportunities will also be available, to a maximum of 20 marks.

Required Text:

No text book has been assigned to this course. All lectures with supplementary (explanatory) material will be posted on the course Web site.