

EESA09H3 -

(marking quizzes)
Prerequisite: prior knowledge of environmental science is required.

ed.

Tentative Lecture List

1. Introduction to Wind	May 10
2. Global Wind Circulation	May 17

	June 7
6. Polar lows and other storms	June 14
7. MIDTERM (tentative)	June 21 (6:10-8:10 pm)
8. Thermal winds	July 5
9. Wind measurement	July 12
10. Pollutant transportation by Wind	July 19
11. Wind Power	July 26
12. Science and issues of climate change	August 2

Evaluation

Midterm Test: 30%

Quizzes will occur near the end of each lecture 2-11. Each quiz will cover the materials from the same day lecture. If you miss a quiz, there is no make up and you will miss out a participation opportunity. It is very important that you attend each lecture to write the quiz at the end of the lecture. Out of class opportunities will also be available, to a maximum of 5 marks.

Required Text

There is no text book assigned to this course. All lectures with supplementary (explanatory) material will be posted on the course web site on the blackboard.

Reading research papers

In each lecture, a research paper will be introduced on the relevant topic. You are required to read the paper as soon as it is posted on the blackboard.

To study a research paper, follow the steps below.

1. Reading through a given paper once without taking notes, to get an overview of the paper. You should read critically (not passively), by asking yourself such questions as – what research questions the authors are asking? What are the major steps (assumptions/methodologies) taken to answer the questions? How does this reading relate to other readings and most importantly, to the lecture material? Do not use a highlighter at this stage – only when you've read it all can you judge what are the most important points in terms of the results!
2. Reading the paper a second time, in order to take notes. You should record a minimum of 3 main points per paper, but *never* take more than one page of notes from a given paper. If you should fill up a whole page with notes, organize your notes in some structured way so that you can see the relationships between the key points in a simple way. It is harder to take brief notes than to take copious notes, because in making brief notes you have to think more about what you are reading so as to be able to choose the key points and structure them in such a way that they are easy to remember.

Midterm

June 21 (tentative) in class, time and place (additional room) to be announced.

I expect all students to write the midterm exams except under the most severe and

Midterm and Final exam format

Same format for both exams, only differing in quantity.

1. Section one: Who is who (or, fill in the blank)
2. Section two: True or false questions and Multiple choice questions
3. Section three: Short answer questions