

Instructor: John Lindhe

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Office Hours:

Text: Statistics by Freedman, Pisani, Purves (3rd edition)

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Outline: The aim of the course is to introduce the student to the statistical method of thinking and to gain an appreciation of the role of statistics in the world today. This is not a how-to manual course, with a lot of statistical calculations. It is a course to enable the student to develop adequate insight into the concepts and limitations of statistical techniques. The student will then be better prepared to read and interpret articles involving statistics whether in journals or newspapers.

The course is divided into three main sections.

I. Collecting Data - how do you collect data whether it is a poll, survey or experimental program?

II Organizing Data - once you have the data how do you present it? We will investigate the one and two variables cases.

III Conclusions from data - what inferences can you draw from the sample to the population.

The sections we will cover will depend on available time but might include Chapters 1-5, 8-13, 16-21, 23, 24, 26, and 27. These sections include collecting data, correlation and regression, basic probability, confidence intervals, and hypothesis testing.

Calculator: You will need at least a basic calculator (you will need a square root key).

Grades:

Papers: 30%

Test: 30%

Final (cumulative): 40%

Attendance: If you miss a class, you are responsible for learning any material you missed and for keeping informed about any announcements in class.

Final: The final will be cumulative. The date for the final has been tentatively set for Tuesday June 22 at 1pm. The date of the final may change and you should be prepared to be on campus until the last day of final's week. **You will not be able to take the final at a separate time unless you have a legitimate conflict** (This would include having another final scheduled at the same time or three finals on the same day. It would NOT include early travel plans.)

If you have any concerns about the course or Instructor: You should first try to resolve it with me. You should also feel free to speak with the Mathematics Vice-Chair Don King (373-5679, donking@neu.edu).

Withdrawing: The last day to drop a course without a W grade is Friday May 14. The last day to drop a course with a W grade is Friday June 4, for this grade you will have to see your instructor.

Tutoring: Free tutoring is available in Cahners Hall beginning May 6: Mon-Wed, 9:15-8; Thur 9:15-3:50. Tutoring is done on a first come first served basis.

This syllabus is subject to change. You are responsible for changes announced in class.