

**Instructor:** Irosha Wickramasinghe

**Office:** 541 NI

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**Office Hours:** Tu & Friday 11.30-12.30 , Friday 8.45-9.45

**Text:** Statistics by Freedman, Pisani, Purves (3<sup>rd</sup> edition)

**Calculator:** You will need a calculator than can do basic algebraic operations including the square root.

**Course Objectives:** The goal of this course is to be able to understand the basic concepts of statistics and be able to apply statistical thinking in various applications. In this course, the student should acquire the ability to carry out a study, including formulating the problem, designing the study properly, collecting and analyzing data with the help of a computer, and drawing conclusions. Specifically you will learn to:

- Organize and present data in a clear and logical manner;
- Design proper data collection, using randomization;
- Summarize the data through numerical and graphical methods;
- Do basic probability, including the normal and binomial distributions;
- Understand basic statistical terminology and be able to communicate your results;
- Formulate research problems into statistical language and choose appropriate procedures;
- Carry out data analysis with the help of computer software.

**Grades:**

Quizzes/Tests:	45%
Computer Labs:	15%
Final:	40%

**Homework:** Assignments are given in the course schedule.

**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 April 22nd. 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 your instructor. You should also feel free to speak with the Mathematics Vice-Chair Prof. Don King (x5679, donking@neu.edu).

**Withdrawing:** The last day to drop a course without a W grade is January 21st. The last day to drop a course with a W grade is March 25th, for this grade you will have to see your instructor.

The syllabus and schedule are subject to change. You are responsible for changes announced in class.