

Northeastern University
MTH U2280 – Statistics with Software
Fall 2009

Course objective:

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.

Required Resources:

Student Access Pack: MyStatLab Student Access Kit (ISBN: 0321570685)

(Available through the NU Bookstore or www.coursecompass.com)

Supplies: A *graphing* calculator is required; the TI-83 or TI-83 Plus or TI-84 Plus is strongly recommended. Please be aware that the TI-86 calculator does not include many of the functions that are required for this class.

Optional Resource:

Textbook (hard copy): Elementary Statistics, 11th edition by Triola (ISBN: 0321500245)

NOTE: *The hard copy of the textbook is optional because the access code above will grant you access to an online copy of the textbook.*

Grades:

Homework/In-class Problems:	20%
Computer Labs:	10%
Exams:	30%
Final:	40%

A: 90 – 100 B: 80 – 89 C: 70 – 79 D: 60 – 69 F: Below 60

COURSE POLICIES:

✚ Northeastern University is committed to the principles of intellectual honesty and integrity. All members of the Northeastern community are expected to maintain complete honesty in all academic work, presenting only that which is their own work in tests and assignments.

✚ **Homework Exercises:** You have homework exercises that must be completed for each section that we cover in the course. You will complete those online through the MyStatLab Course Interface. Instructions for using MyStatLab are included in your textbook. When you login to CourseCompass/MyStatLab you will be able to click on Homework and view your homework exercises.

✚ **Exams:** There will be four one-hour Exams and a two-hour, cumulative, departmental final exam. No student will be granted a request for a special final exam unless it is due to a registrar created conflict. If you miss either of these exams, for any reason other than a university sanctioned absence, you will receive a grade of zero, as there will be no make-up exams given. Our final exam is scheduled for [REDACTED] [REDACTED]. A plane ticket home will not excuse you from this exam, so please plan accordingly.

✚ There is no “**extra credit work**” or “**special project**” available to make-up for poor grades at the end of the semester.

✚ If you have a concern about this course that cannot be resolved by speaking with your instructor then please contact the course coordinator, Hanai Sadaka, 551 NI, ext. 7055, h.sadaka@neu.edu

✚ You may receive any extra help in this course at the Math Tutoring Center in 540B NI. The tutoring center offers free tutoring on an individual basis. You just need to sign up for an appointment. Please seek help as soon as you experience any difficulty, do not wait until just before an exam.

Beginning Monday, September 21, 2009, the hours for the Tutoring Center in 540B NI are:

Monday, Tuesday & Wednesday 10:00 AM - 9:00 PM, Thursday 10:00 AM - 6:00 PM and Friday 10:00 AM - 1:00 PM

✚ We encourage students with disabilities, including “invisible” disabilities like chronic diseases or learning disabilities, to discuss with your instructor, after class or during office hours, appropriate accommodations which might be helpful for you. Your disability must be verifiable. The Disabilities Resource Center (20 Dodge Hall, ext. 2675) can provide you with information and other assistance.

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

Important Details

The majority of the coursework will not be in Blackboard but instead at CourseCompass (<http://www.coursecompass.com>). This is where the MyStatLab tools for homework and exams will be located. You need to set up your student account at CourseCompass before you begin any work in the course. You should have a Student Access Code and a Getting Started pack included with your textbook. When setting up your account you will also need the course ID.

COURSE ID FOR Fall 2009 TERM: *sadaka82949*

The first thing you'll need to do after setting up the account is to run the "Installation Wizard" and view "How to Enter Answers" tours and tip sheets for information about entering math notation.