

Introduction to Statistical Inference  
Math 1070 Section 2  
Spring 2007

**Instructor:** Jeremy D Morris      **email:**      morris@math.utah.edu  
**Office:**      LCB Loft (4<sup>th</sup> Floor)      **Office Hours:**      T,H 5:00 - 6:00  
**Website:**      <http://www.math.utah.edu/~morris/Courses/1070/>

**Class Time:**      TH 6:00 - 7:20, LCB 225  
**Textbook:**      Statistics : The Art and Science of Learning from Data  
**Prereq:**      Math 1010 or equivalent

**Course Description:** The important ideas used in making inferences from data will be presented and illustrated. The main topics covered will be data organization and analysis, graphical representations of data, probability and probability distributions, confidence intervals, and hypothesis testing.

**Grading:** Homework 20%  
              Exam 1      25%  
              Exam 2      25%  
              Final        30%

**Grading Scale:**

A	: 91–100	B	: 75–79	C	: 60–64	D	: 40–49
A–	: 85–90	B–	: 70–74	C–	: 55–59	D–	: 25–39
B+	: 80–84	C+	: 65–69	D+	: 50–54	E	: 0–24

**Homework:** Homework will be assigned each Tuesday and will be due the following Tuesday. It will be posted in class and on the website. Late work will NOT be accepted unless arranged before hand. All assignments count towards your final grade. Homework must be written neatly and stapled together. All steps should be clearly shown and easy to follow.

**Exams:** We will have two midterms worth 25% of the final grade and one final exam worth 30%. All tests will be closed book and closed notes. Calculators will be allowed (and probably necessary). The dates for exams are:

Exam 1    Feb 15  
Exam 2    Mar 29  
Final      May 1, 6:00 - 8:00 pm

**Extra Credit:** Extra credit will be given for a statistically related “current event”. You will need to submit the original article (from printed news or the internet) along with a short summary of the article, an explanation of what and how statistics are used and what conclusions are drawn. Include also a short critique of the analysis. I will award 50 points per attempt with a total of 100 possible.

**ADA Statement:** The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations for this course.