

**Boston University**  
**MA 214**  
**Applied Statistics**  
**Summer 2, 2011**  
**Hunter Glanz**

**Class Time and Location:** Monday, Tuesday, Wednesday, Thursday; 11:00am-1:00pm in PSY B49

**Office:** PSY 233

**Email Address:** hglanz@math.bu.edu

**Office Hours:** MTWRF 4-5 or by appointment

**Text:** McClave, J.T. & Sincich T. Statistics, Eleventh Edition. Pearson, Prentice Hall. 2008

**Prerequisites:** This class is an extension of MA 213, *Basic Statistics and Probability*. It is assumed that you are familiar with descriptive statistics, basic probability, discrete and continuous random variables, and probability distributions. An overview of single sample inference (estimation, confidence intervals and hypothesis tests) will be given during the first few lectures.

**Course Description:** Throughout this course I plan to cover two sample inference, associations among variables, linear regression analysis, multiple regression analysis, analysis of categorical data, chi-square and contingency table tests. If time allows I will cover some non-parametric statistics as well.

**This course will move fast. It is imperative that you keep up with the reading and homework.**

**Exams and Grading:** We have two in-class exams during the semester, at the normal class time. In addition to the in-class exams, you will be graded on 4 homework assignments (due every Thursday). The final will be take-home and due on the last day of class. Grades will be determined by applying the following weighting scheme:

In-class exams	40% (20% each, July 15 and July 28)
Homework	30%
Final	30%

**Make-up Exams:** If you miss an exam, then you must provide an acceptable excuse for your absence or you will receive a grade of zero. A valid reason for missing an exam would be something such as serious illness or a family emergency. If possible (particularly if you want to be sure that your excuse is an acceptable one), contact me before missing an exam.

**Homework:** Assignments will be posted each Thursday with the exception of the Tuesday we start on. The assignments will be due the next Thursday at the start of class. There will not be a graded assignment covering the last week of the course, but that material will be on the final exam.

**Academic Conduct:** Your work and conduct in this course are governed by the CAS Academic Conduct Code.

This code is designed to promote high standards of academic honesty and integrity as well as fairness. A copy of the code is available in CAS Room 105 if you cannot access it on the web, and it is your responsibility to know and follow the provisions of the code. In particular, all work that you submit in this course must be your original work. If you find information online for homework (from wikipedia for example), make sure to cite whatever source you use. Any cases of suspected academic misconduct will be referred to the CAS Student Academic Conduct Committee.

*Certain circumstances may require the revision of the above guidelines; therefore I reserve the right to make changes as needed. This will never be to your detriment.*