

Boston College  
Department of Economics

EC151.07  
Economic Statistics  
Spring 2010  
Gasson 309, MTH, 8:00pm-9:15pm  
Office Hours: TH 4-6 or by appointment

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**Text:**

Statistics for Business and Economics (6<sup>th</sup> Edition), Newbold, Carlson, Thorne (BC Edition- Prentice Hall)

**Course Requirements:**

2 Mid-Term Exams, on Feb 25<sup>th</sup> and Apr 8<sup>th</sup> (45%, the lower score will be dropped)  
1 Final Exam (45%), on May 17<sup>th</sup> (Regular class meeting time).  
Problem Sets (10%)

**Grading:**

The final grade will be assigned based on the aforementioned requirements with the weights described. The rule for final grade assignment will be 93+ (A), 90-92.99 (A-), 87-89.99 (B+), 83-86.99 (B), 80-82.99(B-), 77-79.99 (C+), 73-76.99 (C), 70-72.99 (C-), 67-69.99 (D+), 63-66.99 (D), 60-62.99 (D-).

**Exams:**

The lower score of the 2 mid-term exams will be dropped from the final grade calculation. Because of that, there will be no make-up for the mid-term exams. Each exam will be assigned a score out of 100 to be used in the final grade calculation. A make-up exam for the final exam is allowed if I am informed before hand. This make-up must occur within three (3) days of the original exam. Calculator is allowed in the exams. Finally, note that if you arrive more than 20 minutes late for the exams, you will not be admitted to take it

**Course Organization and Expectations:**

**Lectures:** There are two lectures per week. While there is no attendance grade for this course, attendance is required to do well on exams. I will try to put lecture outlines on WebCT/Blackboard Vista as I figure it out.

**Readings:** The text reading for each lecture is provided in the schedule below. I will inform you accordingly when the subject dates change. The text is a useful tool that should be read carefully, preferably before the appropriate lectures.

**Integrity:** While working together on problem sets is allowed, working together on exams is forbidden. Please familiarize yourself with the Boston college's academic integrity at <http://www.bc.edu/integrity>.

**WebCT/Blackboard:** I will try to use WebCT/Blackboard to provide you with a variety of information, including handouts, lecture outlines, and your updated grade.

Here is a rough outline of the course and reading assignments. **Some lectures below might be subject to change.**

<u>Date</u>	<u>Topics</u>	<u>Text Assignment</u>
Jan 21	Descriptive Statistics I	Ch. 2 (2.1-2.6)
Jan 25	Descriptive Statistics II	Ch. 3 (3.1-3.5)
Jan 28	Probability I	Ch. 4 (4.1-4.2)
Feb 1	Probability II	Ch. 4 (4.3-4.4)
Feb 4	Baye's Theorem	Ch. 4 (4.5)
Feb 8	Discrete Random Variables	Ch. 5 (5.1-5.3)
Feb 11	Continuous Random Variables	Ch. 6 (6.1-6.2)
Feb 15	Binomial Distribution	Ch. 5 (5.4)
Feb 18	Poisson Distribution	Ch. 5 (5.6)
Feb 22	Normal Distribution	Ch. 6 (6.3-6.4)
Feb 25	<b>MIDTERM 1</b>	
Mar 1	NO CLASS (Spring Vacation)	
Mar 4	NO CLASS (Spring Vacation)	
Mar 8	Sampling and Sampling Distributions	Ch. 7 (7.1-7.4)
Mar 11	Point Estimators and Confidence Intervals I	Ch. 8 (8.1-8.4)
Mar 15	Confidence Intervals II	Ch.9 (9.1-9.5)

Mar 18	Hypothesis Testing I	Ch. 10 (10.1)
Mar 22	Tests with Population Variance Known	Ch. 10 (10.2)
Mar 25	Tests with Population Variance Unknown	Ch. 10 (10.3)
Mar 29	Tests with Large Samples	Ch. 10 (10.4)
Apr 1	NO CLASS (Easter Weekend)	
Apr 5	Power of a Test	Ch. 10 (10.5)
Apr 8	<b>MIDTERM 2</b>	
Apr 12	Hypothesis Testing (Two population) I	Ch. 11 (11.1-11.2)
Apr 15	Hypothesis Testing (Two population) II	Ch. 11 (11.3-11.5)
Apr 19	NO CLASS (Patriot's Day)	
Apr 22	Goodness-of-Fit Tests	Ch. 16 (16.1-16.3)
Apr 26	ANOVA	Ch. 17 (17.1-17.2)
Apr 29	Introduction to Simple Regression	Ch. 12 (12.1-12.2)
May 3	Simple Regression I	Ch. 12 (12.3-12.5)
May 6	Simple Regression II	Ch. 12 (12.6-12.7)
May 17	<b>FINAL EXAM</b>	