

BOSTON COLLEGE  
Department of Economics

EC 151.06-Statistics  
Spring, 2008  
Carney 104, MWF 2 pm

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### Syllabus

**Text:** Anderson, David R., Sweeney Dennis J., and Williams Thomas A. Essentials of Statistics for Business and Economics 4<sup>th</sup> Edition, 2004.

**Course Requirements:** Midterm Exam I (25%) on **Feb. 13**  
Midterm Exam II (30%) on **March 26**  
Final Exam (40%) on **May 7, 9 AM**  
Attendance, class participation and problem sets (5%)

### Course Organization and Expectations:

This course offers an introduction to the field of statistics and its applications. It meets for three 50 min lectures per week. You are expected to read the text carefully, attend and participate in all classes, and work through the problem sets. The material in this course is hierarcial, so that you should know the previous material before coming to class. The best way to study for this course is to work through all the problems done in class and in the problem sets. This is not a literature class and simply reading the book will not be enough to learn the material.

The problem sets will be handed out in class one week before they are due and are to be turned in on the due date in the beginning of the class. Late submissions will not be accepted. You may work on the problem sets in groups but cannot copy the work from someone else and have to turn in your own problem set. The problem sets will not be returned but solutions to problem sets will be handed out to you. It is useful to photocopy your problem set before submitting it so that later you can compare it with the solution I will provide. If you do not understand the solutions, you may come to office hours or schedule an appointment to see me.

Examinations will be given on the above published dates and you should note that all such exams are closed book, closed notes. The exams will test your understanding of the subject, not your memory skills, and additional materials will be provided to you during exams when necessary. Only non-graphing calculators are allowed for exams. The use of graphing calculators, cell-phones, PDAs, all types and generations of iPods, and other similar electronic devices is strictly NOT permitted during exams. Your work

on exams must be entirely your own. You should get familiar with the academic integrity policy which can be found on the Boston College website at [www.bc.edu/integrity](http://www.bc.edu/integrity).

There will be no make-up exams unless you present a verifiable medical reason (a note from your doctor) or a letter from the Dean. If you miss an exam and do not have a verifiable reason, you will get a 0% for that exam. If you do poorly on one midterm but consistently well on the other one and the final, the one poor exam will get less weight than written above and will not hurt your grade a lot.

### **Tentative Schedule**

Date	Topics	Text Assignment
Jan. 14	Data and Statistics	Chapter 1
Jan. 16, 18, 23, 25, 28	Descriptive Statistics	Chapter 2, 3
Jan. 30, Feb. 1, 4, 6, 8, 11	Intro. to Probability	Chapter 4
Feb. 15, 18, 20, 22	Discrete Probability Distribution	Chapter 5
Feb. 25, 27, 29, March 10	Continuous Probability Distribution	Chapter 6
March 12, 14, 17, 19	Sampling and Sampling Distribution	Chapter 7
March 28, 31, April 2, 4	Interval Estimation	Chapter 8
April 7, 9, 11, 14, 16	Hypothesis Testing	Chapter 9
April 18, 23, 25, 28	Simple Linear Regression	Chapter 12
April 30	Review Session	

### **Exam Dates**

Feb. 13 Midterm Exam 1

March 26 Midterm Exam 2

May 7 Final Exam