

Economics 120A
Introductory Probability and Statistics
Fall 2007

Professor: Hal White
Economics Building, Room 309, Phone 43502
Office Hours: Wednesday 12:30pm – 2:00pm

Teaching Assistants: Gray Calhoun, Economics Building Room 123
Tom Daula, Sequoyah Hall Room 228
Michael Ewens, Sequoyah Hall Room 225
Rosalin Wu, Economics Building Room 118

Problem Session: TBA

Textbooks: Wonnacott & Wonnacott, *Introductory Statistics for Business and Economics* (WW) 4th Edition.
Quick Statistics Using Microsoft Excel (download using link on class web site).

Course Requirements: Weekly problem sets, 1 midterm, 1 final
Midterm: November 1, 2007 (in class)
Final: December 14, 11:30am – 2:30pm

Grading: Final grades will be determined as a weighted average of scores on the midterm, final, and problem sets, with the following weights:

Midterm: 30%
Final: 40%
Problem sets: 30%

To encourage discussion of the material outside of class, homework will be submitted by study groups of five or six students. The name of each student in the study group must appear on the homework, and each student in the same study group will receive the same grade for each homework assignment. If a student's name appears on more than one group's homework, the lowest grade will be recorded for that student.

Any questions regarding grades assigned on the examinations or problem sets must be resolved within one week after the exams or homework assignments become available for pickup. No exceptions will be made and no grade changes will be made after one week. Any questions regarding assigned grades must be resolved by the TA who graded the disputed item.

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Course Outline

<u>Date:</u>	<u>Topic and Reading</u>
27Sep	Organizational Meeting
02Oct	What is Statistics? WW: Ch 1, 2.1, 2.7
04Oct	Descriptive Statistics: Location WW: Ch 2.2
09Oct	Descriptive Statistics: Center and Spread WW: 2.3 – 2.5
11Oct	Probability & Conditional Probability WW: Ch 3.1 – 3.4, 3.7
16Oct	Bayes Theorem, Independence WW: Ch 3.5, 3.6
18Oct	Discrete Random Variables WW: Ch 4.1 – 4.3
23Oct	Binomial and Poisson Random Variables WW: Ch 4.3
25Oct	Continuous Random Variables WW: Ch 4.4
30Oct	Normal Distribution WW: Ch 4.5, 4.6
01Nov	MIDTERM
06Nov	Sampling WW: Ch 6
08Nov	Estimation WW: Ch 7

Course Outline – Continued

<u>Date:</u>	<u>Topic and Reading</u>
13Nov	Confidence Intervals WW: Ch 8.1, 8.2, 8.5
15Nov	Hypothesis Testing – Means WW: Ch 9.1 – 9.3
20Nov	Hypothesis Testing – Means (Continued)
27Nov	Hypothesis Testing – Variance TBA
29Nov	Hypothesis Testing – Proportions WW: Ch 9.1 – 9.3
04Dec	Hypothesis Testing – Two Populations WW: Ch 8.3, 8.4
06Dec	Covariance and Regression WW: Ch 5, 11
14Dec	FINAL EXAM, 11:30am – 2:30pm