

# Economic Statistics

ECO 230

Summer 2007

*Instructor:* Joseph McMurray

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*Office Hours:* T, Th 12:00 – 12:50 pm, 207 Harkness Hall

*Class:* T, W, Th 1:00 – 3:55 pm, 115 Harkness Hall

*Prerequisites:* Math 141, ECO 108

*Text:* Newbold, Carlson, and Thorn, *Statistics for Business and Economics*, Prentice Hall, 6<sup>th</sup> Ed.

*Philosophy:* You learn statistics by practice, not by observation.

*Grading:* 30% Final, 30% Midterm, 20% Quizzes, 20% Homework

*Objective:* Not the ability to get answers right, but the inability to get answers wrong.

<u>Date</u>	<u>Topics</u>
Tues. 7/10	Introduction (1.1 – 1.3) Graphical Data (Ch. 2.1 – 2.6) Charts in Excel Numerical Data (3.1 – 3.3)
Wed. 7/11	Numerical Data in Excel Relationships Between Variables (3.4 – 3.5) Variable Relationships in Excel Probability (4.1 – 4.3, 4A)
Thurs. 7/12	Bivariate Probability (4.4 – 4.5) Discrete Random Variables (5.1 – 5.3)
Tues. 7/17/07	Special Discrete Distributions (5.4 – 5.6)
Wed. 7/18	Special Continuous Distributions (6.1 – 6.5)
Thurs. 7/19	Joint Distributions (5.7, 6.6)

	Midterm Review
Sat. 7/21?	Optional Make-up Day
Tues. 7/24	Midterm
	Excel Monte Carlo Simulations
Wed. 7/25	Decision Theory (21.1 – 21.5)
Thurs. 7/26	Sampling and Sampling Distributions (7.1 – 7.4)
Tues. 7/31	Estimation: Single Population (8.1 – 8.4)
	Estimation: Population Comparisons (9.1 – 9.5)
Wed. 8/01	Hypothesis Testing (10.1 – 10.5)
Thurs. 8/02	Hypothesis Testing II (11.1 – 11.5)
Tues. 8/07	Regressions (12.1 – 12.7)
	Regressions in Excel
Wed. 8/08	Sampling (7.1 – 7.4)
	Final Review
Thurs. 8/09	Final
Sat. 8/11?	Optional Make-up Day