

Boston College
EC 228: Econometrics
Fall 1998

Class: Tues, Thurs, noon-1:15 pm.
Professor Serena Ng
Office: Carney 238
Office Hours: Tuesday and Thursday 9:-10:30am

This course is designed to introduce students to the theory and applications of regression analysis. The goal is to be able to use statistical tools to estimate and test economic relationships of interest. Students are expected to have completed courses in university level calculus and statistics.

Required text:

Basic Econometrics, Third Edition, Damodar N. Gujarati, McGraw Hill.

Textbooks used in previous years that some students like:

Introductory Econometrics with Applications, Third Edition, Ramu Ramanathan, Dryden Press.

Recommended Supplementary text: Econometric Models and Economic Forecasts, Third Edition, Robert Pindyck and Daniel Rubinfeld, McGraw Hill.

Evaluation:	5 Problem Sets:	30%
	Mid-Term Exam (Nov 4):	30%
	Final Exam (Dec 18):	40%

*Problem sets are due (in class) two weeks after they are assigned. A penalty of one point per day will be applied to missed deadlines.

*The problem sets will require use of the computer software EViews available at the OCR. There will be a tutorial to introduce you to EViews in Week 2. Suggested date for the tutorial is Friday, Sept. 12 at 3:30 pm.

Course Outline

Introduction and Review of Probability and Statistics.
Ref: Ch. 1 and Appendix 2 classes

The Classical Linear Regression Model

The 2 Variable Model: Estimation
Ref: Ch 3-4. 2 classes

The 2 Variable Model: Hypothesis Testing
Ref: Ch 5. 2 classes

The 2 Variable Model: other issues
Ref: Ch 6. 1 class

The Multiple Regression Model: Estimation
Ref: Ch 7. 2 classes

The Multiple Regression Model: Hypothesis testing
Ref: Ch 7. 2 classes

Review: 1 class

Mid Term (tentative date Nov 4)

Relaxing the Assumptions of the Classical Model

Multicollinearity
Ref: Ch 10 1 class

Heteroskedasticity
Ref: Ch. 11 1 class

Specification and Measurement Errors
Ref: Ch. 13 1 class

Serial Correlation and Dynamic Models
Ref: Ch. 12, Ch. 17 4 classes

Dummy Regressors
Ref: Ch. 15 1 class

Dummy Dependent Variable
Ref: Ch. 16 1 class

Simultaneous Equation Models
Ref: Ch. 18-19 2 classes

Review 1 class

Exam December 14, 1998.