Course Information

GENERAL

Economics 683 is the first semester of a two semester sequence in econometric theory and methods. Economics 681, or equivalent knowledge of mathematical statistics, is a prerequisite.

Course material will include the multiple linear regression model, asymptotic distribution theory, and maximum likelihood estimation.

REQUIREMENTS

EXAMS: There will be two midterms, each contributing approximately 20% to the course grade, and a final exam contributing 35%.

PROBLEM SETS: There will be periodic problem sets throughout the semester. Some will require use of a computer, either the mainframe or a microcomputer. I strongly suggest that you become familiar with a micro, a word processor (for entering data), and either PC- or MS-DOS. You may take advantage of the PC labs on campus.

TEXT: We will use J. Johnston, Econometric Methods, 1984 (third edition), published by McGraw-Hill. I will cover much of the material in the first eight chapters, except that you are assumed to be familiar with chapter 4 (Elements of Matrix Algebra). If you are not, please read that chapter and everyone should read the mathematical appendixes numbered 1-5 (pp. 517-528).

OUTLINE: I will follow the text chapters 1 - 8 in order except for transposing chapters 7 and 8, and for nontextual material added from time to time.

FORMAT: Two lectures weekly. Some lectures, such as the first, may be rescheduled for the PC lab in the library.