

Syllabus (Winter 2004)

**Economics 5100 Introductory Statistics and Econometrics**

3:00 - 4:50pm Mondays and Wednesdays in 0035 STAT

Instructor : Sheng-Kai Chang

**Course Description**

Economics 5100 is an introductory course of statistics and econometrics. We will focus on basic probability theory and fundamentals of mathematical statistics in the first half of the course, since probability and statistics are important tools to predict economic outcomes under uncertain environments. In the second half of the course, we will concentrate on elementary regression analysis. Some important topics covered in this course are conditional probability, interval estimation, hypothesis testing, simple regression, and multiple regression.

**Textbooks**

**Required:** *Statistics and Econometrics: Methods and Applications* by Ashenfelter, Levine and Zimmerman, Wiley Publishing, 2003.

**Recommended:** *Introductory Econometrics: A Modern Approach* by Jeffrey M. Wooldridge, South-Western College Publishing, 2nd edition, 2002.

**Grading**

There will be three exams: two midterms and one final. First midterm exam: Wednesday, February 11 (in class). Second midterm exam: Wednesday, March 24 (in class). Final exam: Friday, April 30, at 1:20pm. Grading will be based on bi-weekly problem sets (20%), two midterm exams (40%), and a final exam (40%).

**Contact Information**

Office : 2125 Faculty Administration Building

E-mail : schang@wayne.edu

Phone : (313) 577-0603

Office Hour : 12:50 - 2:50pm Wednesdays, or by appointment.