Econometric Theory and Practice (Econ 482)
Spring, 2015, University of Washington

Instructor: Chang-Jin Kim (Office: Savery Hall 353)
Office Hours: Mon., Wed. 11:00 - 12:00

Useful Textbook:

** **Introductiory Econometrics,** by Jeffrey M. Wooldridge.

Prerequisites: Minimum grade of 2.0 in ECON 300; either ECON 311/STAT 311, MATH 390/STAT 390, or Q SCI 381.

Course Description

This course deals with applications of statistical modeling to empirical work in economics; Focuses on regression analysis; derivations of regression estimators and their properties; and applied computer work in estimating multiple regression models.

Grades:

Grades will be assigned on the basis of your performance on Three Exams: Two midterm exams (April 22, May 13) and a final exam (June 3) and assignments. All the exams are cummulative.

Important Notes:

Computer softwares to be used for the course are: **Eviews** and **Gauss** Programming Language.

Course Outline:

* Review of Basic Statistical Concepts

  Random Experiment, Sample Space, Random Variable, Population, Sample

* The Principle of the Ordinary Least Squares Method
* The Principle of Hypothesis Testing
* The Simple Regression Model
* Multiple Regression Analysis

  Model set up and estimation

Hypothesis testing

* Generalized Least Squares (GLS)

    Heteroscedasticity
    Autocorrelation

POLICY

1. No make-up examinations.
2. **no exceptions.**