Econometric Theory and Practice (Econ 482)
Spring 2019, University of Washington

Instructor: Chang-Jin Kim (Office: Savery Hall 353)
Class Hours: T, Th 10:30-12:20
Office Hours: T, Th 1:30-2:20

Useful Textbook:

** **Introductory 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 theory and 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 you performance on three Exams: Two midterm exams (**April 25 (Th), May 16 (Th)**) (approximately 20 % each) and final exam (**June 6 (Mon)**) (at least 40%) and a series of assignments (approximately 20%). All the exams are cumulative.

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
* Multiple Regression Analysis

Model set up and estimation
Hypothesis testing

* IV (Instrumental Variables) Estimation

* Generalized Least Squares (GLS)

Heteroscedasticity
Autocorrelation

POLICY

1. No make-up examinations
2. No questions using email
3. **no exceptions**