**Time and Location:** Tuesday & Thursday, 10:00-11:20, 104-M. Friday, 1:00-3:00, 108-M.

**Office Hours:** Tuesday and Thursday 3:00-4:00, and by appointment.

**Recommended Textbooks:**


**Teaching Assistant:** Wided Hemissi, M-207A. Email: widedhmissi@yahoo.fr

**Course Description:**

This is the second course in a two semester sequence of theoretical and applied econometrics. Both courses simultaneously emphasize the theory and application of econometrics methods. The topics we will study this semester include instrumental variables estimation and two stage least squares, systems of simultaneous equations, panel data methods, the Generalized Method of Moments, nonlinear least squares, weak instruments and weak identification, Bayesian econometrics, Monte Carlo simulations and the bootstrap, limited dependent variables, etc. We will spend a fair amount of time this semester using the Gauss programming language.

**Learning Outcomes:**

- Students will learn how to test economic hypotheses within a framework of econometric theory.
- Students will learn how to draw economic inferences from quantitative and qualitative data.
- Students will become proficient in programming econometric routines in non-canned software packages such as Gauss.
**Software:** We will use the Eviews software package. Eviews is the most user friendly econometric software package that I have used. Their web page is at http://www.eviews.com. In addition, we will be using the Gauss programming language. Gauss is an extremely powerful statistical package that allows one to perform very sophisticated estimation procedures that most “canned” packages cannot perform. Their web page is at http://www.aptech.com. The department has licenses for both applications.

**Grading:** Your final grade will be a weighted average of the homework assignments, a midterm exam, and a final exam. The homeworks are worth 10% of your grade, the midterm 40%, and the final 50%.