

Northeastern University

Department of Economics

Syllabus

Applied Econometrics II
ECNG740

Dadkhah
Spring 2007

How to contact me

Office: 317 Lake
Office hours: M, TH: 3:00 – 4:30 or by appointment
Phone: 617 373 2297
Fax: 617 373 3640
k.dadkhah@neu.edu

Objectives of the course

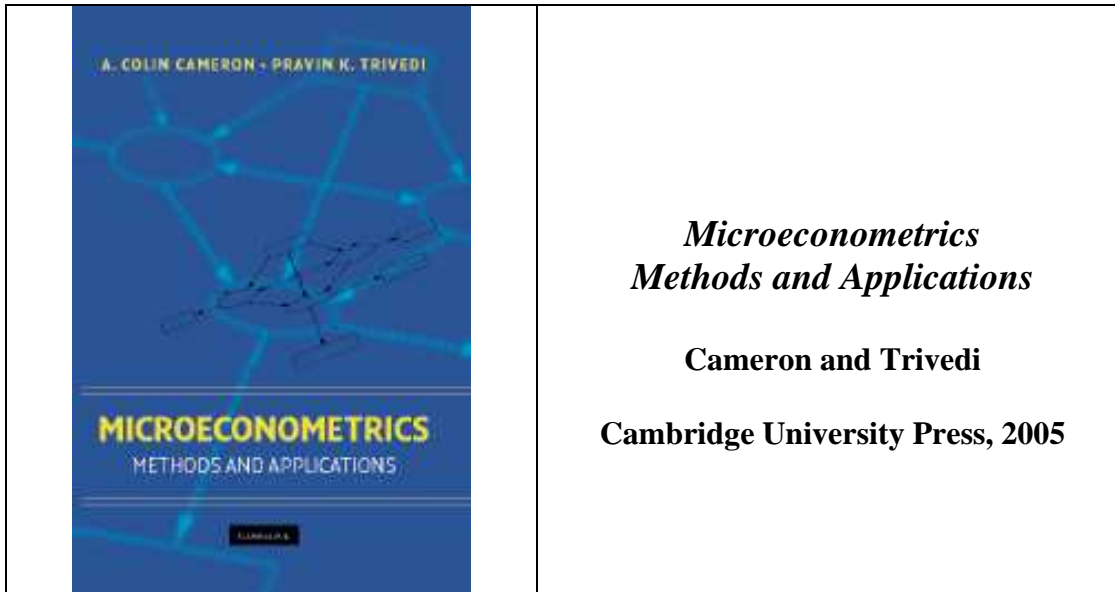
To speak of the importance of econometrics is belaboring the obvious. Econometrics is the main connection between economics and reality. It is the main tool of hypothesis testing, forecasting, and policy evaluation in economics.

Our focus in this course will be on microeconomic models, which include, among others, binary outcome, multinomial, panel data, and limited dependent variable models. Since it is an applied course, everyone is required to formulate and estimate a model and conduct tests of hypotheses. You are free to combine the project in this course with the project in a microeconomics, industrial organization, or labor course. Alternatively, you can carry out the empirical chapter or paper of your PhD dissertation or MA thesis as the project for this course.

You are free in your choice of software; SAS, SPSS, STATA, and Matlab are all acceptable.

Whereas the emphasis is on application, econometric theory is important and we shall devote a considerable time to the properties of different estimators, and hypotheses testing.

Text



Topics covered in the course

Overview of econometric modeling
(chapters 1 & 2)

Microeconomic data structure
(chapter 3)

Review of basic estimation methods: least squares, maximum likelihood, and GMM
(chapters 4, 5, & 6)

Binary outcome models
(chapter 14)

Multinomial models
(chapter 15)

Linear panel models
(chapters 21 & 22)

Nonlinear panel models
(chapter 23)

Tobit and selection models
(chapter 16)

Grades

Grades are determined on the following basis:

Homework	15%
Project	35%
Mid-Term	20%
Final	30%
Total	100%

