

AREC\ECON 735
Spring 2008

Harvey Cutler
Stephen Davies
Dave Mushinski

Econometric Theory II

TIME: 2:00 p.m., TR

Texts: Microeconometrics: Methods and Applications by A.C Cameron and P. K Trivedi
Cambridge University Press. 2005.

Or Other Advanced Econometrics Texts

Objectives:

1. To present important topics in modern econometric theory and practice, including alternative estimation approaches
2. To tie the theory into practice via selected topics and case studies

Grading:

36% - Homeworks (One from each section)

64% - Term Paper

100%

Office Hours:

By Appointment, office phone is 491-5704 (Cutler) 491-6955 (Davies), and 491-3911 (Mushinski)

Course Outline:

<u>Time Required:</u>	<u>Topic</u>
3.0 weeks	Times Series Econometrics Models (Cutler): Univariate Time Series Models Reduced Form Vector Autoregressive (VAR) Models Structural Vector Autoregressive (VAR) Models
3.0 weeks	Panel Data/ Simultaneous equations Methods (Davies) Classical Pooling Fixed Effects Random Effects Other Panel data topics System of Equations, including panel data systems
2.0 weeks	Panel data and Cointegration (Cutler)
2.0 weeks	Generalized Method of Moments (GMM) (Davies) applications to Panel data and simultaneous equations models; Introduction to Maximum Likelihood Estimation
5.0 weeks	Limited dependent variable methods (Mushinski) Single equation methods (Logit, Probit Tobit) (inc. non parametric and Maximum Likelihood Approaches) Multiple Equation Approaches (Multinomial, Conditional Logit) Selection Problem and Treatment Effects