Course Information and Outline

Introduction: Economics 8828 is the first semester in a two semester sequence in econometric theory and practice.

Prerequisites: Students are expected to have taken Economics 7818 and to be familiar with use of a personal computer and the econometric software package LIMDEP.

Requirements and grading: Two lectures weekly. There will be a midterm (25%) and a final exam (50%), and periodic problem sets (25% - weights are approximate).


Readings: To be assigned throughout the course.

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Topic</th>
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<tbody>
<tr>
<td>5 - 7</td>
<td>Violations of basic assumptions: Generalized Least Squares (Chs. 13 - 17).</td>
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<tr>
<td>8 - 9</td>
<td>Introduction to Asymptotic Distribution Theory and Simultaneous Equations Models (Chapter 19).</td>
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Midterm Exam: October 19 or 21

10 - 15 Topics in Econometrics: some of the following list, depending upon time and interest (Text: various chapters):
   - Unobservable variables and errors in variables
   - Panel data models: fixed and random effects
   - Instrumental variables
   - Discrete choice and random utility models: probit, Tobit, logit.

Applications:
   - Labor economics
   - Energy models
   - Environmental economics