ECONOMETRIC METHODS

Economics 6160  Spring 2005  Professor: Haizheng Li
Class Time: TR 9:35-10:55am  Office: Room 206, Habersham Bldg., Phone: (404) 894-3542
Classroom: IC 119→G-17  Office Hours: TR 3:30-4:30pm
EMAIL: haizheng.li@econ.gatech.edu  WWW: http://www.prism.gatech.edu/%7Ehl45/

COURSE DESCRIPTION
The purpose of this course is to provide an introduction to econometric techniques and their applications in economic and business analysis. We will learn to use professional computer software and practice with data from the real world.

TEXTBOOK
J. M. Wooldridge, Introductory Econometrics-A Modern Approach, South-Western, College Publishing

HOMEWORK AND COMPUTER ASSIGNMENT
Homework/computer projects will be assigned in class. This course will use SAS. Class assignments and other information can be found at my web site: http://www.prism.gatech.edu/%7Ehl45/. Please go to the following web site to download data for class projects: 
http://www.swcollege.com/bef/wooldridge/wooldridge.html

HOMEWORK TURNED IN LATE WILL NOT BE ACCEPTED.

TERM PAPER
Students are required to write a research paper. The paper should apply the techniques learned in this class and use real world data to estimate models. The grade for the paper is determined by a research proposal, class presentation, and final paper (12-15 pages not including tables and graphs).

Proposal/brief presentation  March 29
Formal class presentation  April 26 & 28
Final paper  April 29

EXAMS
Exam I:  March 3  Thursday (in class)
Exam II:  April 21  Thursday (in class)
Final (comprehensive):  May 4  Wednesday 8:00-10:50am

NO MAKE-UP EXAM WILL BE GIVEN.
NO RE-GRADING AFTER ONE WEEK FROM TEST/HOMEWORK RETURN.

COURSE GRADE

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Term paper</td>
<td>15%</td>
</tr>
<tr>
<td>Exam I</td>
<td>37% for Max(Exam I, Exam II)</td>
</tr>
<tr>
<td>Exam II</td>
<td>28% for Min(Exam I, Exam II)</td>
</tr>
<tr>
<td>Final (optional)</td>
<td>no</td>
</tr>
</tbody>
</table>

ATTENDANCE
I will take attendance randomly. Each attendance taken is worth 5 points extra credits that will be added to one of your homework scores.

COURSE OUTLINE
1) Multiple regression analysis
2) Heteroskedasticity and serial correlation
3) Instrumental Variable Estimation
4) Panel data methods
5) Limited dependent variable models and sample selection correlation
6) Simultaneous Equation Models (optional)