Introduction to Econometrics
ECONOMICS 346, 3 CREDITS

This course will develop the linear regression model and show how it can be used to analyze economic problems. We will consider the steps needed to perform econometric research, the assumptions required on our part in order to do so, and the consequences of violating these assumptions.

Upon completion of this course you will be able to:

- Develop a model for empirical testing
- Distinguish between various types of data
- Test a model for Multicollinearity, Serial Correlation, and/or Heteroskedasticity
- Read computer output and interpret the results
- Use software to estimate a simple multiple regression model

Students are expected to attend all classes. There will be a grade for attendance and class participation which will make up 15% of the grade. Lectures will be crucial for understanding the material. There will be four assignments which will be referred to as labs. Most will require some sort of computer related work. More details to follow.

The required texts for this course are:

**Using Econometrics: A Practical Guide** – Referred to as “Text”
A.H. Studenmund
6th Edition
ISBN: 0-13-136773-0

**Fooled By Randomness** – Referred to as “NNT”
Nassim Nicholas Taleb

**Freakonomics** – Referred to as LD
Steven D. Levitt and Stephen J. Dubner

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<th>EACH</th>
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<tr>
<td><strong>EXAMS</strong></td>
<td>20 %</td>
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<tr>
<td><strong>HOMEWORKS (LABS)</strong></td>
<td>5 %</td>
<td>30 %</td>
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<tr>
<td><strong>ATTENDANCE/PARTICIPATION</strong></td>
<td>10 %</td>
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<td><strong>ONLINE QUIZZES</strong></td>
<td>3 %</td>
<td>15 %</td>
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<tr>
<td><strong>BOOK DISCUSSION</strong></td>
<td>5 %</td>
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BLACKBOARD: Blackboard is an instrumental part of this course. You can access UIC’s Blackboard system at: https://blackboard.uic.edu/webapps/login/

ANNOUNCEMENTS: Check here for periodic announcements about the course.

COURSE DOCUMENTS: This will include several different types of documents relating to the course.

SYLLABUS: This will be permanently stored here.

INCOMPLETE LECTURE NOTES: I will regularly provide lecture notes from class. I will leave holes in them for you to fill in. Often these holes will represent the most important information of the lecture. Occasionally, however, there will be NO NOTES AVAILABLE. Not all lectures will be done with PowerPoint.

HOMEWORK(LABS): The instructions for assignments due during the semester will be kept here. Homework WILL NOT be accepted by email except in dire circumstances. If you can’t make it to class, place your work in my mailbox before class.

QUIZZES: Your online quizzes will be given through the Blackboard system.

MY GRADES: You will have access to your current grades through this system.

DISCUSSION BOARDS: I have created one general discussion board. This is for students to talk to other students about the course. This is not for communication with me. I will not look at this board.

PLAGIARISM: Plagiarism is “the unauthorized use or close imitation of the language and thoughts of another author and the representation of them as one's own original work”¹. If you are suspected of plagiarizing, you will be brought up on charges by the university. If you are found guilty you may be dismissed from the university.


STUDENTS WITH DISABILITIES: Students with Faculty Contact Sheets for this class need to present them to the instructor as soon as possible. Other students requiring reasonable accommodations, as covered under the Americans with Disabilities Act, should contact the Disability Resource Center (DRC) to open up a DRC file and discuss needed accommodations. Questions and requests for reasonable accommodations should be directed to DRC, 1190 SSB, phone (312) 413-2183 or email drc@uic.edu.
# Planned Lecture Topics and Class Schedule

*(Subject to Change)*

You will be responsible for taking the online quizzes on Blackboard.

The quizzes and due dates will be posted on Blackboard throughout the summer session.

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<tr>
<th>Day</th>
<th>Date</th>
<th>Title</th>
<th>Due</th>
<th>Book Reading</th>
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<tr>
<td>Tu</td>
<td>June 12, 2012</td>
<td>Introduction and Overview</td>
<td></td>
<td>CH. 1</td>
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<td>Th</td>
<td>June 14, 2012</td>
<td>Ordinary Least Squares</td>
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<tr>
<td>Tu</td>
<td>June 19, 2012</td>
<td>Learning to Use Regression Analysis and the Classical Model</td>
<td>Lab 1</td>
<td>CH. 3 &amp; 4</td>
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<td>Th</td>
<td>June 21, 2012</td>
<td>Hypothesis Testing</td>
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<td>Specification: Variables and Form</td>
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<td>CH. 6 &amp; 7</td>
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<td>June 28, 2012</td>
<td>***** MIDTERM REVIEW *****</td>
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<td>Lab 2</td>
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<td>Tu</td>
<td>July 3, 2012</td>
<td>***** MIDTERM *****</td>
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<td>Th</td>
<td>July 5, 2012</td>
<td>In Class Lab 3</td>
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<td>Tu</td>
<td>July 10, 2012</td>
<td>Multicollinearity</td>
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<td>Th</td>
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<td>Serial Correlation</td>
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<td>Heteroskedasticity</td>
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<td>Time-Series Models</td>
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<td>Dummy Dependent Variable Techniques</td>
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<td>Th</td>
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<td>Th</td>
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