

William Foster
Office: University Hall 817
E-mail: wfoste2@uic.edu

Class is held in
Douglas Hall 330
on Tuesday and Thursday at 1:30.

Office Hours: After Class

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

ISBN: 978-0-8129-7521-5

Freakonomics – Referred to as LD

Steven D. Levitt and Stephen J. Dubner

ISBN: 978-0-06-123400-2

	EACH	TOTAL
EXAMS	20 %	40 %
HOMEWORKS (LABS)	5 %	30 %
ATTENDANCE/PARTICIPATION	10 %	10 %
ONLINE QUIZZES	3 %	15 %
BOOK DISCUSSION	5 %	5 %

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.

1. **The Random House Dictionary.** (2010). In *Encyclopædia Britannica*. Retrieved August 19, 2010, from Encyclopædia Britannica Online: <http://www.britannica.com/EBchecked/topic/491056/The-Random-House-Dictionary>

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)

Day	Date		Title	Due	Book Reading
Tu	June 12, 2012	-----	Introduction and Overview	-----	CH. 1
Th	June 14, 2012	-----	Ordinary Least Squares	-----	CH. 2
Tu	June 19, 2012	-----	Learning to Use Regression Analysis and the Classical Model	Lab 1	CH. 3 & 4
Th	June 21, 2012	-----	Hypothesis Testing	-----	CH. 5
Tu	June 26, 2012	-----	Specification: Variables and Form	-----	CH. 6 & 7
Th	June 28, 2012	-----	***** MIDTERM REVIEW *****	Lab 2	
Tu	July 3, 2012	-----	***** MIDTERM *****	-----	
Th	July 5, 2012	-----	In Class Lab 3	Lab 3	
Tu	July 10, 2012	-----	Multicollinearity	-----	CH. 8
Th	July 12, 2012	-----	Serial Correlation	-----	CH. 9
Tu	July 17, 2012	-----	Heteroskedasticity	Lab 4	Ch. 10
Th	July 19, 2012	-----	Time-Series Models	-----	Ch. 12
Tu	July 24, 2012	-----	Dummy Dependent Variable Techniques	Lab 5	Ch. 13
Th	July 26, 2012	-----	Book Presentations	-----	
Tu	July 31, 2012	-----	***** FINAL EXAM REVIEW *****	Lab 6	
Th	August 2, 2012	-----	***** FINAL EXAM *****	-----	

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.