ECON 4818 Syllabus
Introduction to Econometrics
Spring 2002

Professor: Jose J. Canals-Cerda.
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Class meets on MWF 11:00 to 11:50.
Classroom: ECON 117
(The information in this syllabus is subject to change).

Course Objectives.

Students are to: 1) Improve their knowledge of advanced econometric techniques; 2) Gain experience in working with economic data; and (3) Develop their ability to formulate the empirical framework to analyze relevant economic questions.

Text and Other Materials.

There is an assigned book:

*Introductory Econometrics: A Modern Approach* by Jeffrey Wooldridge
South-Western College Publishing

This book is an excellent tool for learning Econometrics and learning to do applied research in economics. Clearly, the book contains more material that can be covered in this course. For this reason, some of the chapters on the book will not be covered in class. However, I encourage all of you to read over all the remaining material that we will not have time to study in this class.

Additional material will be posted in the class web page:

http://www.colorado.edu/Economics/courses/Jose/s01-4818/web-4818-001.htm
This web page will be used as an interactive learning tool over the semester. You should plan to visit it very often. In addition, the book has its own webpage with some interesting material:

http://wooldridge.swcollege.com/

Additional readings may be added as the need arises. These readings may include, for example, articles published in newspapers, magazines or professional journals addressing issues of interest for the course.

**How to contact me.**

Office Hours and by appointment: My office hours are Mondays and Wednesdays from 12:00 p.m. to 1:15 p.m. I will be in my office Mondays and Wednesdays most of the day; you can talk to me these days at any time if I am available. At any other time, it is best if you make an appointment (by email or phone).

**Homework and Exams.**

There will be several problem sets during the term, a midterm exam and a final exam. The problem sets are designed to give the students the opportunity to review and enhance the material learned in class and to improve their skills on working with data. There will be two different types of homework assignments. Some assignments will have a theoretical emphasis and others will have an empirical emphasis. The first type of assignment is designed to help you prepare for the midterm and final examination. These assignments will not be graded but solutions will be provided and you should feel free to discuss them with me. The second type of assignment will usually involve working with computers and data. These assignments will be graded. Students are encouraged to work in groups of up to 3 students, but students are also allowed to work alone. Each group will provide a single solution to each assignment and all the students in the same group will receive the same grade. In addition, there will be a midterm and a final exam. The midterm examination will be scheduled in class. The University will schedule the date of the final exam.

**Grading.**
The grade for a missed homework is zero. The final grade for the class will be a weighted average of the problem sets (20%), a midterm examination (30%) and a final exam (50%).

**Students with Disabilities.**

This University abides by Section 504 of the Rehabilitation Act of 1973, which stipulates that no student shall be denied the benefits of an education "solely by reason of a handicap." Disabilities covered by law include but are not limited to learning disabilities and hearing, sight or mobility impairments. If you have specific physical, psychiatric, or learning disabilities and require accommodations, please let me know early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the Disability Services Office in Willard 322 (phone 303-492-8671).

**Additional Information.**

Please, send me a brief email message with your name and with the subject "ECON4818 Student". Be aware that most of the course announcements will be done using e-mail. Therefore, it is important that you send this email to me as soon as possible.

**Course Outline.**

1. **Introduction.** [Wooldridge, Appendix A,B and C, Chapter 1]

2. **The Simple Regression Model.** [Wooldridge, Chapter 2]

3. **Multiple regression analysis.** [Wooldridge, Chapter 3]

4. **Specification Issues.** [Wooldridge, Chapter 3]

5. **More on Multiple Regression.** [Wooldridge, Chapter 4, 5, 6 and 7]
6. **Simultaneous Equations Models.** [Wooldridge, Chapter 16]

7. **Qualitative Choice.** [Wooldridge, Chapter 7 and 17]