Economics 4818-002 Spring 2008

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Location: Economics 119
Meeting Times: MWF 10:00 – 10:50 am
Office Hours: MWF 1:30 – 2:30 pm

Class website: All course materials will be posted on WEBCT/CU Learn.

Course Description:

This course provides an introduction to the theory and methods of modern econometrics. Econometrics is the quantitative branch of economics. Econometrics studies theoretical and practical aspects of applying statistical methods to economic data for the purpose of testing economic theories and forecasting the future path of economic variables.

This course begins by reviewing and extending the statistical material covered in Econ 3818. Following this, students are guided through the principals of regression analysis starting with the simple regression model. Issues in relation to estimation, inference and specification will be explored. The latter part of the course introduces students to limited dependent variable models and time series analysis.

The theoretical concepts and methods will be reinforced through practical projects, which also provide an opportunity for students to develop investigative skills.

Text:

Introductory Econometrics: A Modern Approach, (3rd edition) by Jeffery M. Wooldridge.

The text in the 2nd edition is identical to the 3rd edition. But some practice problems are missing in the 2nd edition. The text is important, as I will follow it closely. Keep up with the readings. It is essential for success in this class.

Prerequisites:

Economics 3818, Introduction to Statistics with Computer Applications, or its equivalent.

Software:

The software for the course is EViews and it is available in the Economics Computer Lab. Students who want to purchase their own version can do so at http://www.eviews.com/eviews4/eviews41s/evstud41.html. The Student Version EViews 4.1 costs $39.95.

Assessment:

There will be two midterm exams, a final exam, and periodic problem sets.

1. Problem sets (30%)