Graduate Module Outline

Title: Time series analysis of non-stationary data in the Social Sciences

Instructor: Dr. J. Stephen Clark, Business & Social Sciences

Timing (month/year module will be offered): Fall 2009

Module Description:
In this module, students will learn about:

1) Stationary versus non-stationary data
2) Types of nonstationarity: Stochastic versus deterministic trends
3) Dickey Fuller unit root tests
4) The spurious regression problem
5) Cointegration

Text: Hamilton Time series analysis

Format:
Lecture and Laboratory, 3-4 weeks, 3 hours per week
Students will be required to study relevant background material and prepare a term paper.

Method of Evaluation:
The grade will be based on the term paper (100%)

Prerequisites:
AGRI5630 or equivalent or econometrics