The text for the course is Walter Enders, *Applied Econometric Time Series* (Wiley, 1995). It should be available in the bookstore. Granger and Newbold, Banerjee, Dolado, Galbraith, and Hendry, and Hamilton provide alternative treatments of some of the topics. The articles marked with a * will be placed in the filing cabinet outside my office.

I. Univariate Time Series

- Ch. 1, "Difference Equations"
- Ch. 2, "Stationary Time-Series Models"

- Ch. 1, "Difference Equations"
- Ch. 3, "Stationary ARMA Processes"

- Ch. 1, "Introduction to the Theory of Time Series"
- Ch. 3, "Building Linear Time Series Models"

- Ch. 1, "Introduction and Overview"

II. Unit Roots and Persistence

Enders, W., Ch. 4, "Testing for Trends and Unit Roots," Sec. 1-5.

Hamilton, J., Ch. 15, "Models of Nonstationary Time Series"

Banerjee et.al., Chs. 3-4, 6.


Christiano, L. and M. Eichenbaum, "Unit Roots in Real GNP: Do We Know, and Do We Care?", *Carnegie-Rochester Conference Series on Public Policy*, 1990, 7-62.


III. Trend Breaks and Unit Roots

Enders, W., Ch. 4, "Testing for Trends and Unit Roots," Sec. 6-7.


IV. Structural Change


* Papell, D., "The Great Appreciation, the Great Depreciation, and the Purchasing Power Parity Hypothesis," unpublished, 2000, Section II.


V. Heteroscedasticity and Nonlinear Structure


Hamilton, Ch. 21, "Time Series Models of Heteroskedasticity"


VI. Multiple Time Series

Enders, W., Ch. 5, "Multiequation Time-Series Models"

Granger, C. and P. Newbold, Ch. 7, "Multiple Series Modeling"


**VII. Cointegration**

Enders, W., Ch. 6, "Cointegration and Error Correction Models"

Banerjee, et.al., Chs. 5, 7-9.


Hamilton, J., Ch. 19, "Cointegration"

* Campbell, J. and P. Perron, "Pitfalls and Opportunities...", 163-201.


**VIII. Unit Roots and Cointegration with Panel Data**


* Papell, D., "The Great Appreciation, the Great Depreciation, and the Purchasing Power Parity Hypothesis," unpublished, 2000, Sections III and IV.
