Prequisite--Econ 3818 (or see instructor about acceptable equivalents).

Grading policy: Final exam counts 40%, 3 quizzes count 12% each, research project counts 12%, PC miniprojects count a total of 12%. There will be no make-ups for missed quizzes except for students who have attended regularly and who have a documented excuse such as hospitalization (not for weddings or minor illness). No excuses will be accepted for late submission of projects, so aim to turn them before the due date specified below; absolute deadline is the beginning of class on the due date.

Texts: The basic textbook is Studenmund & Cassidy, Using Econometrics (Little, Brown & Co., 1987); assignments and exercises listed below refer to this text. (The exercises should be done as if they would be turned in--you'll see why at quiz time.) You will also need a MicroTSP User's Manual (either spiral bound version 6.5 for use with harddisk program on many CU machines or v. 5.1 with own floppy disk program); talk with me before buying one. (Other packages may be acceptable but it is the student's responsibility to ascertain if and how they generate the needed procedures.) A book which is a helpful supplement, especially for further study or research in econometrics, is Peter Kennedy, A Guide to Econometrics (MIT Press, 1985). For your convenience I have listed the relevant sections of this book, abbreviated as "K", in [brackets] below, but these are usually at a higher level than the basic text.

Dates Topics, Assignments & Exercises
Aug 29 Review of regression analysis as treated in Econ 3818 and intro to Econ 4818.
   CH 1-3; Exercises 1-6 on pp. 18-19, 1-3, 5-8 on pp. 35-6 and 1-6, 8, 9 on pp. 56-9. [Ref K 1.1-1.4, 2.1-2.9]
   PC MINIPROJECT A.1 DUE 1PM SEP. 17

Sep 12-17 The classical regression model
   CH 4; Exercises 1-7 on pp. 79-81. [Ref K Ch. 3]
   PC MINIPROJECT A.2 DUE 1PM SEP 24

Sep 19-26 Hypothesis testing
   CH 5 & App. 5.8; Exerc. 1-10 pp. 111-3 [Ref K 4.1-4.3, 4.5]
   FRIDAY, SEP. 28: QUIZ #1 on CH 1-5. (If it snows so badly that either the Univ. or Boulder Valley Public Schools are closed the quiz will be Monday.)

Oct 1-8 Specifying independent variables
   CH 6 (you may omit pp. 141-3); Exercises 1-4, 6, 7, 10 on pp. 136-140. [Ref K 5.1, 5.2]

Oct 10-15 Functional forms
   CH 7; Exercises 1-4, 7a, 7c, 7d, 10, 11 on pp. 166-170.
   [Ref K 5.3, 5.4]
   PC MINIPROJECT B DUE 1PM OCT. 12
Oct 17-22    Multicollinearity
             CH 8; Exercises 1-4,6-7 on pp. 203-7. [Ref K Ch. 10]

Oct 24-31   Serial correlation
             CH. 9 (incl. App. 9.6); Exerc. 1, 4-9 on pp.233-6.
             [Ref K 7.1, 7.2, 7.4]
FRIDAY, NOV 2: QUIZ #2 on CH 6-9 (see snow policy above);
PC MINIPROJECT C DUE (20% off for each day late)

Nov 5-9      Heteroskedasticity
             CH 10; Exercises 1,2,6,10 on pp. 269-72. [Ref K 7.3]

Nov 12-21   Simultaneous equations
             12.1-12.5; Exercises 1-4,6-8 on pp. 361-2. [Ref K 9.1-9.3]
             (Note errors in text: penultimate sentence on p. 358 should
             identify the five predetermined variables as $C_t$, $NX_t$, $T_t$,
             $r_{t-1}$, $C_{t-1}$; on p. 352 discussion of eq. 12.25 should refer
             to the accelerator, not the multiplier.)

Nov 26-28   Errors in variables; 3SLS.
             12.6, 12.7. [Ref K 6, 8.2, 9.4]
FRIDAY, NOV 30: QUIZ #3 on CH 10 and 12 (see snow policy above)

Dec 3-7     Forecasting
             CH 13; Exercise 1 on p. 390 [Ref K Ch 15]
RESEARCH PROJECT DUE 1 PM WEDNESDAY DEC. 5 (10% OFF FOR EACH DAY LATE)

Dec 10-12   Review
             CH 11; Exercises 1-3 on p. 309.

FINAl EXAM IS SATURDAY, DEC. 15, 11:30AM - 1:00PM.
PC MINIPROJECT D DUE AT 11:30AM (25% off for each day late)

Absence for final exam will be excused after the fact only in case of
hospitalization or incarceration; for any other similar severe problem
check with me before missing the exam. In any case, my decision will be
influenced by the student's previous performance, including attendance and
participation in discussions of exercises.