

Portland State University
Department of Economics
Spring 2012

EC469: INTRODUCTION TO ECONOMETRICS

“The things we have to learn before we do them, we learn by doing them.”
(Aristotle)

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Class Meetings: NH 237

MWF: 10:15 - 11:20 am

Office Hours*

W: 12:00 – 1:30 pm

*By Appointment

Syllabus

Objectives The objectives of this course are for the student to:

- ◆ Gain an understanding of the process of econometrics;
- ◆ Gain an appreciation of the application of statistical and econometric methods to economic problems;
- ◆ Gain a working knowledge of elementary statistics and regression analysis;
- ◆ Gain an understanding of the use of computers in the estimation econometric models.

Text A. H. Studenmund, "Using Econometrics: A Practical Guide," 6th ed., Prentice Hall (ISBN-10: 0131367730; ISBN-13: 9780131367739).
Companion Website: http://wps.aw.com/aw_studenmund_useecon_6/

Software EViews

Prerequisites: EC 201, EC202; MATH 251, STAT 243, STAT 244

Assignments and Exams Graded components and their relative weights are as follows:

- ◆ *Four homework assignments, each worth 15%, will count toward 60% of your course grade. Assignments will be handed out a week in advance of the due date (see “Tentative Schedule” section). Homework assignments must be typed out (where applicable, equations can be neatly written in). Points will be deducted for any illegible portion of a homework assignment. Remember to always show your work - failure to do so will also result in point deduction.*
- ◆ *The midterm exam is worth 20% of your course grade.*
- ◆ *The final exam is worth 20% of your course grade.*

Policies

- ◆ Exams cannot be rescheduled. Please DO NOT enroll in this course unless you can take the exams at their scheduled times (see “Tentative Schedule” section). The only exceptions to this rule are: (i) documented medical emergencies; and (ii) absence due to active military, police, and/or jury duty (need letter from the appropriate official).
 - ◆ If you arrive more than 20 minutes after the time an exam is scheduled to begin, you will not be allowed to take that exam.
 - ◆ Concerns and questions related to graded components in this class need to be resolved within one week from the date the assignment (or exam) in question has been graded and returned.
 - ◆ Improving your grade through “extra work” is not an option in this class! In addition, an Incomplete (letter grade “I”) or a Withdrawal (letter grade “W”) is not to be viewed as a substitute for an “F”.
 - ◆ Students with documented learning disabilities or special needs, must contact me at least a week in advance of scheduled exams if use of the Testing Center’s facilities is required. It is the student’s responsibility to arrange for accommodations through the Testing Center and provide me with the appropriate documentation in the beginning of the semester.
 - ◆ Familiarize yourself with PSU academic honesty policies. Minimum penalty for academic dishonesty in this class will be letter grade “F” for the assignment or exam in question.
 - ◆ Turn off your cellular phone, beeper, pager, or any other communication device/PDA that may disturb, disrupt, or in any way impede the learning process during class meetings.
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Tentative Schedule

Week One 04/02/12 - 04/06/12	◆ Regression Analysis – Overview and Use (Chapters 1 and 3) ◆ <i>Recommended reading: Statistical Principles (Chapter 17)</i>
Week Two 04/09/12 - 04/13/12	◆ Regression Analysis – Overview and Use (Chapters 1, 3, and 17) ◆ <u>Homework No. 1 DUE in class Friday, April 13th, 2012.</u>
Week Three 04/16/12 - 04/20/12	◆ Ordinary Least Squares (Chapters 2 and 17)
Week Four 04/23/12 - 04/27/12	◆ The Classical Model (Chapters 4 and 17) ◆ <u>Homework No. 2 DUE in class – Friday, April 27th, 2012</u>
Week Five 04/30/12 - 05/04/12	◆ The Classical Model (Chapters 4 and 17) ◆ <u>MIDTERM EXAM – Friday, May 4th, 2012</u>
Week Six 05/07/12 - 05/11/12	◆ Hypothesis Testing (Chapter 5)
Week Seven 05/14/12 - 05/18/12	◆ Specification: Choosing the Independent Variables (Chapter 6)
Week Eight 05/21/12 - 05/25/12	◆ Multicollinearity (Chapter 8) ◆ <u>Homework No. 3 DUE in class - Friday, May 25th, 2012</u>
Week Nine 05/28/12 - 06/01/12	◆ May 28, 2012: University closed – Happy Memorial Day! ◆ Multicollinearity (Chapter 8) ◆ Serial Correlation (Chapter 9)
Week Ten 06/04/12 - 06/08/12	◆ Serial Correlation (Chapter 9) ◆ <u>Homework No. 4 DUE in class – Friday, June 8th, 2012</u>
Finals Week 06/11/12 - 06/15/12	◆ <u>FINAL – Wednesday, June 13th, 2012 (10:15 am - 12:05 pm).</u> <i>Note: The final will NOT be comprehensive. It will include all material covered since the midterm exam.</i>
