

Portland State University  
Department of Economics  
Spring 2011

EC469: INTRODUCTION TO ECONOMETRICS

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

**Professor:** Rossitza B. Wooster

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**Class Meetings: NH 375**

MWF: 10:15 - 11:20 am

**Office Hours\***

R: 11:00 am – 12:00 pm

\*By Appointment

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Syllabus

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**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.

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**Text** A. H. Studenmund, "Using Econometrics: A Practical Guide," 6<sup>th</sup> ed., Prentice Hall (ISBN-10: 0131367730; ISBN-13: 9780131367739).  
Companion Website: [http://wps.aw.com/aw\\_studenmund\\_useecon\\_6/](http://wps.aw.com/aw_studenmund_useecon_6/)

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**Software** EViews

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

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**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.*

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- Lab Sessions**
- ◆ Class will meet in the Economics computer lab CH 1 on three occasions throughout the term as outlined in the schedule below.

**Class Meetings in CH 1 Computer Lab – Summary for Spring 2011**

<b>Date</b>	<b>Week Day</b>	<b>Time</b>	<b>Topic</b>
<i>April 18<sup>th</sup>, 2011</i>	<i>Monday</i>	<i>10:15 am – 11:20 am</i>	<i>Introduction to Eviews</i>
<i>May 9<sup>th</sup>, 2011</i>	<i>Monday</i>	<i>10:15 am – 11:20 am</i>	<i>Multivariate OLS Analysis</i>
<i>May 23<sup>th</sup>, 2011</i>	<i>Monday</i>	<i>10:15 am – 11:20 am</i>	<i>Prediction and Multicollinearity</i>

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- 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

<b>Week One</b> 03/28/11 - 04/01/11	<ul style="list-style-type: none"> <li>◆ Regression Analysis – Overview and Use (Chapters 1 and 3)</li> <li>◆ <i>Recommended reading: Statistical Principles (Chapter 16)</i></li> </ul>
<b>Week Two</b> 04/04/11 - 04/08/11	<ul style="list-style-type: none"> <li>◆ Regression Analysis – Overview and Use (Chapters 1, 3, and 16)</li> <li>◆ <b><u>Homework No. 1 DUE in class Friday, April 8<sup>th</sup>, 2011.</u></b></li> </ul>
<b>Week Three</b> 04/11/11 - 04/15/11	<ul style="list-style-type: none"> <li>◆ Ordinary Least Squares (Chapters 2 and 16)</li> </ul>
<b>Week Four</b> 04/18/11 - 04/22/11	<ul style="list-style-type: none"> <li>◆ The Classical Model (Chapters 4 and 16)</li> <li>◆ <u>Lab Lecture [CH 1]: Introduction to E-views -- Monday, April 18<sup>th</sup>, 2011.</u></li> <li>◆ <b><u>Homework No. 2 DUE in class – Friday, April 22<sup>nd</sup>, 2011</u></b></li> </ul>
<b>Week Five</b> 04/25/11 - 04/29/11	<ul style="list-style-type: none"> <li>◆ The Classical Model (Chapters 4 and 16)</li> <li>◆ <b>MIDTERM EXAM – Friday, April 29<sup>th</sup>, 2011</b></li> </ul>
<b>Week Six</b> 05/02/11 - 05/06/11	<ul style="list-style-type: none"> <li>◆ Hypothesis Testing (Chapter 5)</li> </ul>
<b>Week Seven</b> 05/09/11 - 05/13/11	<ul style="list-style-type: none"> <li>◆ Specification: Choosing the Independent Variables (Chapter 6)</li> <li>◆ <u>Lab Lecture [CH 1]: Multivariate OLS Analysis -- Monday, May 9<sup>th</sup>, 2011.</u></li> </ul>
<b>Week Eight</b> 05/16/11 - 05/20/11	<ul style="list-style-type: none"> <li>◆ Multicollinearity (Chapter 8)</li> <li>◆ <b><u>Homework No. 3 DUE in class - Friday, May 20<sup>th</sup>, 2011</u></b></li> </ul>
<b>Week Nine</b> 05/23/11 - 05/27/11	<ul style="list-style-type: none"> <li>◆ Multicollinearity (Chapter 8)</li> <li>◆ Serial Correlation (Chapter 9)</li> <li>◆ <u>Lab Lecture [CH 1]: Prediction and Multicollinearity -- Monday, May 23<sup>rd</sup>, 2011.</u></li> </ul>
<b>Week Ten</b> 05/30/11 - 06/03/11	<ul style="list-style-type: none"> <li>◆ Serial Correlation (Chapter 9)</li> <li>◆ <b><u>Homework No. 4 DUE in class – Friday, June 3<sup>rd</sup>, 2011</u></b></li> </ul>
<b>Finals Week</b> 06/06/11 - 06/10/11	<ul style="list-style-type: none"> <li>◆ <b>FINAL – Wednesday, June 8<sup>th</sup>, 2011 (10:15 am - 12:05 pm).</b></li> <li>◆ <i>Note: The final will NOT be comprehensive. It will include all material covered since the midterm exam.</i></li> </ul>