



## Department of Economics Course Outline

		<b>Term:</b>	Winter 2008
<b>Course:</b>	Economics 495 Introduction to Econometrics I	<b>Section:</b>	01
<b>Time:</b>	TR 11:00 – 12:15	<b>Place:</b>	SS 113
<b>Instructor:</b>	Daniel V. Gordon	<b>E-mail:</b>	<a href="mailto:dgordon@ucalgary.ca">dgordon@ucalgary.ca</a>
<b>Office:</b>	SS 430	<b>Office Hours:</b>	TR 12:30 – 13:30

### Textbook(s):

*Required:* Wooldridge, Jeffrey M., *Introductory Econometrics*, Thomson, South Western, latest edition.

### Book(s) on Reserve:

- (1) James H. Stock and Mark W. Watson, *Introduction to Econometrics*, Addison Wesley, 2003.
- (2) J. Scott Long, *Regression Models for Categorical and Limited Dependent Variables*, 1997, Sage.
- (3) Robert Pindyck and Daniel Rubinfeld, *Econometric Models and Economic Forecasts*, 1998, McGraw-Hill.

### Course Outline:

This course will focus on the theory and application of the multi-variate linear regression model. The least squares estimators will be the principal tool for model estimation. The course will emphasize the fundamentals of regression models and deal with model specification, estimation and hypothesis testing. Students will be introduced to both time series and panel data models.

### Readings for first week of Class:

Review your Statistics 213 and Economics 395 notes.

<b>Week</b>	<b>Topic</b>	<b>Readings<sup>a)</sup></b>	<b>Notes</b>
1	Stats review and simple regression model	Chapters 1 & 2 and review Stats. 213 and Econ. 395 notes.	Classes Start Tuesday, January 15
2	Multi-regression Model: estimation	Chapter 3	
3	Multi-regression Model: inference	Chapter 4	
4	Multi-regression Model: asymptotics	Chapter 5	Reading Week February 17 - 24
5	Multi-regression Model: other issues	Chapter 6	Midterm 1, February 28
6	Dummy Variable Models	Chapter 7	
7	Heteroskedasticity	Chapter 8	
8	Data Issues	Chapter 9	
9	Time Series Models	Chapter 10	Midterm 2, April 1
10	Time Series Models	Chapter 11	
11	Time Series Models	Chapter 12	
12	Panel Data Models	Chapters 13 and 14	
13	Instrumental Variables	Chapter 15	Classes End April 17
<p>Final examination scheduled by the Registrar's Office and held in a classroom.  <sup>a)</sup> All readings from Wooldridge</p>			

**Grade Determination and Final Examination Details:**

Five (5) Exercises @ 8% each	40%
Two (2) Midterm Exams @ 15% each*	30%
Final Exam	30%
	<u>100%</u>

Exercises, midterms and final exams are marked on a letter basis, then converted to the Universities grade point value. The course grade is then calculated using the weights indicated above. As a guide to determining standing, these letter grade equivalences will generally apply:

A+	95 – 100	B	73 – 76	C-	60 – 62
A	85 – 94	B-	70 – 72	D+	56 – 59
A-	80 – 84	C+	67 – 69	D	50 – 55
B+	77 – 79	C	63 – 66	F	0 – 49

If, for some reason, the distribution of grades determined using the aforementioned conversion chart appears to be abnormal the instructor reserves the right to change the grade conversion chart if the instructor, *at the instructor's discretion*, feels it is necessary to more fairly represent student achievement.

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

Non-programmable calculators will be allowed during the writing of tests or final examinations.

There will be a Registrar scheduled final examination, lasting 2 hours and held in a classroom.

Tests and exams may involve multiple choice questions.

Students seeking reappraisal of a piece of graded term work (term paper, essay, etc.) should discuss their work with the Instructor *within 15 days* of the work being returned to the class.

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

Students' Union Vice President Academic:

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Society of Undergraduates in Economics (S.U.E.)

[www.ucalgary.ca/sue/](http://www.ucalgary.ca/sue/)

**Notes:**

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Safewalk / Campus Security: 220-5333

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