



## Department of Economics Course Outline

		<b>Term:</b>	Fall 2011
<b>Course:</b>	Economics 495 Introduction to Econometrics I	<b>Section:</b>	01
<b>Time:</b>	TR 14:00 – 15:15	<b>Place:</b>	SA 124A
<b>Instructor:</b>	Frank Atkins	<b>E-mail:</b>	<a href="mailto:atkins@ucalgary.ca">atkins@ucalgary.ca</a>
<b>Office:</b>	SS 430	<b>Office Hours:</b>	TBA

### Textbook(s):

#### *Required:*

Wooldridge, Jeffrey M., *Introductory Econometrics*, Thomson, South Western, 4<sup>th</sup> 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.	
2	Multi-regression Model: estimation	Chapter 3	
3	Multi-regression Model: inference	Chapter 4	
4	Multi-regression Model: asymptotics	Chapter 5	
5	Multi-regression Model: other issues	Chapter 6	
6	Dummy Variable Models	Chapter 7	
7	Heteroskedasticity	Chapter 8	
8	Data Issues	Chapter 9	
12	Panel Data Models	Chapters 13 and 14	
13	Instrumental variables	Chapter 15	
9	Time Series Models	Chapter 10	
10	Time Series Models	Chapter 11	
11	Time Series Models	Chapter 12	
Final examination scheduled by the Registrar's Office.			
<sup>a)</sup> All readings from Wooldridge			

**Grade Determination and Final Examination Details:**

Four (4) Exercises @ 10% each	40%
Midterm Exam	25%
Final Exam	35%
	<u>100%</u>

Exercises, midterms and final exams are marked on a letter basis, and 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

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.

Tests and exams may involve multiple choice questions.

Students' Union Vice-President, Academic

Ola Mohajer

Phone: 403-220-3911

E-mail: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)

Students' Union Faculty Representative (Arts)

Phone: 220-3913 Office: MSC 251

E-mail [arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca) [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca), [arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca), [arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

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

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

Society of Undergraduates in Economics is a student run organization whose main purpose is to assist undergraduate economics students succeed both academically and socially at the University of Calgary. Services include access to the exam bank, career partnerships with the Career Centre through hosting industry nights and information sessions, recognizing achievements in teaching, and organizing social events for members. Join now by contacting [sue@ucalgary.ca](mailto:sue@ucalgary.ca).

*Faculty of Arts Program Advising and Student Information Resources*

- Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us at [artsads@ucalgary.ca](mailto:artsads@ucalgary.ca). You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3<sup>rd</sup> Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

**Notes:**

- Students seeking reappraisal of a piece of graded term work (term paper, essay, etc.) should discuss their work with the Instructor within fifteen 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 403-220-8237. 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.

Safewalk / Campus Security: 403-220-5333  
Emergency Assembly Point – Education Block Food Court  
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