Department of Economics
Course Outline

		Term:	Fall 2010
Course:	Economics 495 Introduction to Econometrics I	**Section:**	01
Time:	TR 9.30 – 10:45	**Place:**	SA 129
Instructor:	Eugene Choo	**E-mail:**	echoo@ucalgary.ca
Office:	SS 446	**Office Hours:**	R 11:00 – 12:00

Textbook(s):

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

Book(s) on Reserve:

(1)   *A Guide to Econometrics*, 5th Edition by Peter Kennedy, The MIT Press.
(2)   *An Introduction to Classical Econometric Theory* by Paul A. Ruud, Oxford University Press, (March 23, 2000).

Course Outline:

Econometrics combines Economic Theory, Statistics, and Mathematics. The primary objective of the course is to provide students with a solid theoretical and practical foundation for the interpretation of empirical evidence in economics. Besides focusing on econometric theory, students will also have "hands-on" experience working with economic data. This course will focus on the use of multi-variate linear regression model in cross sectional econometrics. Students will also be introduced to time-series, panel data and limited dependent variable models.

Recommended Preparation:

Econ 495 starts at a level that assumes familiarity with the material covered in Econ 395 and Stats 213, including proficiency at mathematical statistics and some calculus. We make occasional, but limited, use of matrix algebra. While we review key results in class, students may find the textbook appendices provide a useful overview of the material. Students with weak math backgrounds will especially benefit by taking the recommended math courses.

The applied component to this course requires the use STATA software. Students are required to use STATA software on assignments, and should expect to be tested on basic coding and output. Computers in the Tri-Faculty computer lab (SS018) are equipped with STATA.

Week	Topic	Readings[a]	Notes
1	Stats review	Chapters 1 & 2, review Stats. 213 and Econ. 395, App B and C	Sep 13-19
2	Multi-regression (Estimation)	Chapter 3	Sep 20-26 (Assn. 1 due)
3	Multi-regression (Inference)	Chapter 4	Sep 27 - Oct 3
4	Multi-regression (Asymptotics)	Chapter 5	Oct 4 - 10(Assn. 2 due)
5	Multi-regression (Other issues)	Chapter 6	Oct 11 - 17
6	Dummy Variable Models	Chapter 7	Oct 18 – 24
	Midterm 1	**Chapter 1 to 7**	**Thursday Oct 21**
7	Heteroskedasticity	Chapter 8	Oct 25 - 31 (Assn. 3 due)
8	Misspecification	Chapter 9	Nov 1 – 7
9	Time Series Models	Chapter 10 and 11	Nov 8 – 14 (no class on Thurs, Nov 11)
10	Time Series Models	Chapter 12 and 18	Nov 15 - 21 (Assn .4 due)
	Midterm 2	Chapter 8 to 12, 18	**Thursday Nov 18**
11	Instrumental Variables	Chapter 24	Nov 22 – 28
12	More Instrumental Variables	Assigned papers	Nov 29 – Dec 5
13	Finish IV and Review	Assigned papers	Dec 6-10 (Assn. 5 due)

Final examination scheduled by the Registrar's Office and held in a classroom.
[a] All readings from Wooldridge

Grade Determination and Final Examination Details:

Five (5) Exercises @ 6% each	30%
Two (2) Midterm Exams @ 15% each*	30%
Final Exam	40%
	100%

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

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
    Alyssa Stacy
    Phone: 403-220-3911
    E-mail: suvpaca@ucalgary.ca

Students' Union Faculty Representative (Arts)
    Phone: 403-220-3913 Office MSC 251
    E-mail arts1@ucalgary.ca

Society of Undergraduates in Economics (S.U.E.)
    E-mail: sue@ucalgary.ca
    www.ucalgary.ca/sue/

Safewalk / Campus Security: 403-220-5333
Emergency Assembly Point – Social Sciences Food Court

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