



Department of Economics Course Outline

		Term:	Fall 2012
Course:	Economics 495 Econometrics I	Section:	01
Time:	MWF 10:00 – 10:50	Place:	MS 211
Instructor:	Eugene Choo	E-mail:	echoo@ucalgary.ca
Office:	SS 446	Office Hours:	TBA

Textbook(s):

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

Book(s) on Reserve:

- (1) *A Guide to Econometrics*, 6th Edition by Peter Kennedy, The MIT Press.

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.

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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)}	
1	Stats review	Chapters 1 & 2, review Stats. 213 and Econ. 395, App B and C	Sep 10-14
2	Multi-regression (Estimation)	Chapter 3	Sep 17-21 (Assn. 1 due)
3	Multi-regression (Inference)	Chapter 4	Sep 24 – Sep 28
4	Multi-regression (Asymptotics)	Chapter 5	Oct 1 – 5 (Assn. 2 due)
5	Multi-regression (Other issues)	Chapter 6	Oct 8 - 12
6	Dummy Variable Models	Chapter 7	Oct 15 – 19
	Midterm 1	Chapter 1 to 7	Monday Oct 22
7	Heteroskedasticity	Chapter 8	Oct 24 - 26 (Assn. 3 due)
8	Misspecification	Chapter 9	Oct 29 - Nov 2
9	Time Series Models	Chapter 10 and 11	Nov 5 – 9 (no class on Mon, Nov 12)
10	Time Series Models	Chapter 12 and 18	Nov 14 - 16 (Assn .4 due)
11	Instrumental Variables	Chapter 24	Nov 19 – 23
	Midterm 2	Chapter 8 to 12, 18	Monday Nov 26
12	More Instrumental Variables	Assigned papers	Nov 28 – Nov 30
13	Finish IV and Review	Assigned papers	Dec 3-7 (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%
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	100%

Tests and final exams are marked on a numerical (percentage) basis, and then converted to letter grades. 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

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.

Students' Union Vice-President Academic:

Kenya-Jade Pinto

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Students' Union Faculty Representative (Arts)

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

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.

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. 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 3rd 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.
- Online writing resources are available at <http://ucalgary.ca/ssc/writing-support/online-writing-resources>

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

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