



Department of Economics Course Outline

		Term:	Winter 2010
Course:	Economics 497 [Econometrics 1]	Section:	01
Time:	TR 15:30-16:45	Place:	SS 012
Instructor:	Daniel V. Gordon		
Office:	SS 430		
Office Hours:	tba	E-Mail:	dgordon@ucalgary.ca

Textbook(s):

Required:

Wooldridge, Jeffrey M., *Introductory Econometrics*, Thomson, South Western, 4th edition. **(W)**

Kennedy, Peter, *A Guide to Econometrics*, Blackwell, 6th edition. **(K)**

Book(s) on Reserve:

(1) James H. Stock and Mark W. Watson, *Introduction to Econometrics*, Addison Wesley, 2003. **(SW)**

Course Outline:

This course will focus on both the theory and application of econometric techniques. Examinations will include both theory and applied questions. The least squares and maximum likelihood estimators will be the principal tools for model estimation. Students will be introduced to the method of moments estimator. The course will emphasize model specification and validation, limited dependent variable models, panel data models, time series econometrics and an introduction to asymptotic theory.

Readings:

Prior to the start of Classes:

Review your Economics 395 and 495 notes. Review your knowledge of Matrix Algebra, (Alpha C. Chiang Fundamental Methods of Mathematical Economics, Chapters 4 and 5 is a good reference.) **Students are expected to be knowledgeable and capable in Stata.**

Class Readings: The main text for the course is K and W; SW should be considered background or support readings. Lecture notes will be available on BlackBoard.

Lecture 1 General Linear Model

Chapters 1, 2, 3 (K); 3, 9 (W); 5 (SW)

Lecture 2 General Linear Hypotheses

Chapters 4 (K); 4 (W); 5 (SW)

Lecture 3 Maximum Likelihood & Asymptotic Results

Chapters 5, Appendix C (W); 15, (SW)

Lecture 4 Heteroscedasticity & Autocorrelation

Chapters 8 (K); 8, 12 (W); 12 (SW)

Lecture 5 ARIMA Modelling

Chapters 19(K)

Lecture 6 Time Series Econometrics

Chapters 20 (K); 10, 11 (W); 14 (SW)

Lecture 7 Systems of Equations

Chapters 11(K); 15, 16 (W); 10 (SW)

Lecture 8 Generalized Method of Moments

Chapters Notes

Lecture 9 Panel Data

Chapters 18 (K); 13, 14 (W); 8 (SW)

Lecture 10 Limited Dependent Variable Models

Chapters 16, 17 (K) 17 (W);

Additional reading material will be presented in class.

Grade Determination and Final Examination Details:

Five (5) Exercises	40%	
Midterm Exam	25%	February 11, 2010
Final Exam	35%	

Exercises, midterm 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 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' Union Vice President Academic:

Meg Martin

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Chris Kalantzis

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

Web: www.ucalgary.ca/sue

Notes:

- 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 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.**
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Safewalk / Campus Security: 403-220-5333

DVG
05-10-2009