Department of Economics
Course Outline

		Term:	Winter 2008
Course:	Economics 497 [Econometrics II]	**Section:**	01
Time:	TR 15:30-16:45	**Place:**	A 140
Instructor:	Daniel V. Gordon	**Office Hours:**	TR 12:30-13:30
Office:	SS 430	**E-Mail:**	dgordon@ucalgary.ca

Textbook(s):

Required: Johnston, Jack and DiNardo, John, Econometric Methods, 4th, McGraw-Hill. **(JD)**

Book(s) on Reserve:

(1) Wooldridge, Jeffrey M., *Introductory Econometrics,* Thomson, South Western, 3rd edition. **(W)**

(2) 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 an econometric software package like Stata, Shazam, TSP, Eviews, Rats or Limdep.**

Class Readings: The main text for the course is JD. W and SW should be considered background or support readings.

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Lecture 1 General Linear Model
Chapters 1, 2, 3 (JD); 3, 9 (W); 5 (SW)

Lecture 2 General Linear Hypotheses
Chapters 4 (JD); 4 (W); 5 (SW)

Lecture 3 Maximum Likelihood & Asymptotic Results
Chapters 5 (JD); 5, Appendix C (W); 15, (SW)

Lecture 4 Heteroscedasticity & Autocorrelation
Chapters 6 (JD); 8, 12 (W); 12 (SW)

Lecture 5 ARIMA Modelling
Chapters 7 (JD)

Lecture 6 Time Series Econometrics
Chapters 8 (JD); 10, 11 (W); 14 (SW)

Lecture 7 Systems of Equations
Chapters 9 (JD); 15, 16 (W); 10 (SW)

Lecture 8 Generalized Method of Moments
Chapters 10 (JD)

Lecture 9 Panel Data
Chapters 12 (JD); 13, 14 (W); 8 (SW)

Lecture 10 Limited Dependent Variable Models
Chapters 13 (JD); 17 (W)

Additional reading material will be presented in class.

Grade Determination and Final Examination Details:

Five (5) Exercises	40%	
Two (2)Midterm Exam	30%	February 28, 2008 and April 1, 2008
Final Exam	30%	

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

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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 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' Union Vice President Academic:
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Society of Undergraduates in Economics (S.U.E.)
www.ucalgary.ca

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 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: 220-5333
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DVG:pst
2007-10-24