



## Department of Economics Course Outline

		<b>Term:</b>	Fall 2004
<b>Course:</b>	Economics 615 Advanced Econometrics I	<b>Section:</b>	01
<b>Time:</b>	TR 12:30 ? 13:45	<b>Place:</b>	SS 423
<b>Instructor:</b>	Daniel V. Gordon		
<b>Office:</b>	SS 430	<b>Telephone:</b>	
<b>Office Hours:</b>	TBA	<b>E-mail:</b>	<a href="mailto:dgordon@ucalgary.ca">dgordon@ucalgary.ca</a>

### Textbook(s):

*Required: Wooldridge, J. Econometric Analysis of Cross Section and Panel Data. Cambridge: MIT Press, latest edition.*

### Reserve Reading(s):

Davidson, R., and J. MacKinnon, *Estimation and Inference in Econometrics*  
Greene, W. H., *Econometric Analysis*, Prentice Hall, 5th Edition, 2003  
Hayashi, Fumio, *Econometrics*, Princeton University Press, 2000  
Hendry, D., *Econometrics: Alchemy or Science?*, Oxford University Press 1993  
Johnston, J., and J. Dinardo, *Econometric Methods*, 4th edition  
Long, J. S., *Regression Models for Categorical and Limited Dependent Variables*, Sage Publications 1997  
Wooldridge, J. M., *Econometric Analysis of Cross Section and Panel Data*, The MIT Press, 2002

**Other Readings will be presented in class.**

### Course Outline:

The purpose of these lectures is to introduce the theoretical concepts and empirical applications of econometric techniques. The learning objective for students is to have a solid understanding of the theoretical framework that allows the statistical application and to be able to carry through with an empirical exercise of modelling, diagnostic checking, testing and forecasting. The course will emphasize model specification and validation, discrete and limited dependent variable models, cross-section time-series structures and Hazard functions.

**Reading the start of class, students are to review basic multi-regression least squares procedures and hypothesis testing. Any good undergraduate book is acceptable. Examples are:**

James H. Stock and Mark W. Watson, *Introduction to Econometrics*, Addison Wesley, 2003. Chapter 5.

Wooldridge, Jeffrey M., *Introductory Econometrics*, Thomson, South Western, 2nd edition. Chapters 3, 4 and 5.

**Grade Determination and Final Examination Details:**

Research Project*	30%	
Midterm Exam	30%	October 26, 2004
Final Exam	40%	

\* Project to be discussed in class.

Research project, midterm 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

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 the instructor, *at the instructor's discretion*, feels it is 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 gymnasium.

Tests and exams may involve multiple choice questions.

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**Notes:**

- Students seeking reappraisal of a piece of graded term work (term paper, essay, etc.) should discuss their work with the Instructor within two weeks of the work being returned to the class.

Safewalk / Campus Security: 220-5333

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DVG:pst

2004-08-11