



## Department of Economics Course Outline

		<b>Term:</b>	Winter 2011
<b>Course:</b>	Economics 615 [Advanced Econometrics I]	<b>Section:</b>	01
<b>Time:</b>	MW 11:30-12:45	<b>Place:</b>	SS 423 (subject to change)
<b>Instructor:</b>	Arvind Magesan		
<b>Office:</b>	SS 430	<b>Telephone:</b>	220-5276
<b>Office Hours:</b>	TBA	<b>E-mail:</b>	anmagesa@ucalgary.ca

### **Textbook(s):**

*Identification for Prediction and Decision*, Charles Manski, Cambridge, Harvard University Press, 2007.

*Econometric Analysis of Cross Section and Panel Data*, Jeffrey Wooldridge, MIT Press, 2010.

### **Book(s) on Reserve:**

A detailed outline will be provided on the first day of class.

### **Course Outline:**

Briefly:

In this course we will be studying the interrelated but conceptually distinct problems of *identification* and *statistical inference* in the context of economically interesting applications. The identification “problem” in economics is the problem of characterizing parameters of an econometric model from *innumerable* observable data, while statistical inference is the practice of using statistical tools to draw conclusions about the parameters of the model given *finite* observable data. While the required textbooks are standard bearers for identification and statistical inference in economics, and as such we will rely heavily on them, a large portion of the course will involve reading journal articles in several subfields of economics, ranging from political economy to labour to industrial organization, and critically evaluating how researchers have approached the problems of identification and statistical inference in contemporary empirical economic research.

The student is expected to be comfortable with graduate level mathematical, economic, and econometric concepts. Familiarity with Stata or another programming language such as GAUSS or Matlab is expected.

A more detailed outline will be provided on the first day of class.

### **Grade Determination and Final Examination Details:**

Grades will be determined as follows:

Assignments – 35%

Midterm Exam (in class) – 25%

Final Exam (department scheduled) – 40%

Tests and final exams are marked on a numerical (percentage) basis, 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+	97 – 100	B	83 - 86	C-	70 – 72
A	93 – 96	B-	80 - 82	D+	67 – 69
A-	90 – 92	C+	77 – 79	D	60 – 66
B+	87 - 89	C	73 – 76	F	0 – 59

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 department scheduled final examination, lasting **3** hours. The final exam will be comprehensive.

Tests and exams will not involve multiple choice questions.

Students' Union Vice-President, Academic

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**Notes:**

- Students seeking reappraisal of graded work should discuss their work with the Instructor within fifteen 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.

Safewalk / Campus Security: 403-220-5333  
Emergency Assembly Point –Professional Faculties Food Court  
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