



UNIVERSITY OF  
CALGARY

## Department of Economics Course Outline

<b>Term:</b>	Fall 2012		
<b>Course:</b>	Economics 373 [Game Theory and Strategic Thinking for Social Sciences]	<b>Section:</b>	01
<b>Time:</b>	TR 09:30 – 10:45	<b>Place:</b>	EDC 388
<b>Instructor:</b>	L. Yuan		
<b>Office:</b>	SS 416	<b>Telephone:</b>	220-5863
<b>Office Hours:</b>	TR 10:50 – 11:30	<b>E-mail:</b>	<a href="mailto:yuan@ucalgary.ca">yuan@ucalgary.ca</a>

### Textbook(s):

**Required:** Carmichael, Fiona. A Guide to Game Theory, Prentice Hall, 1<sup>st</sup> edition, 2005.

### Book(s) on Reserve:

None

**Course Outline:** Chapter references in the following outline are to Carmichael's excellent textbook.

1. Introduction to games and strategic thinking (Chapters 1 and 2)
2. Prisoner's dilemma games (Chapter 3)
3. Sequential move games (Chapter 4)
4. Imperfect information (Chapter 5)
5. Mixed strategies and evolutionary games (Chapter 6)
6. Asymmetric information (Chapter 7)
7. Repeated games (Chapter 8)
8. Bargaining theory (Chapter 9)

### Grade Determination and Final Examination Details:

There will be one midterm exam (worth 30%), a final exam (worth 40%), and 5 assignments – due dates for assignments will be set in class (worth 30%).

All work will be marked on a numerical basis, then aggregated, and converted to letter grades. The following *grade conversion chart* is an approximate guide to letter grade equivalents.

A+	96 – 100	B	76 – 80	C-	56 – 60
A	91 – 95	B-	71 – 75	D+	51 – 55
A-	86 – 90	C+	66 – 70	D	46 – 50
B+	81 – 85	C	61 – 65	F	<45

I reserve the right to change the grade conversion chart if, in my opinion, a change is necessary to fairly represent student achievement.

Calculators will not be allowed during the writing of tests and final examinations. There will be a Registrar scheduled final examination, lasting 2 hours and held in a classroom. Tests and exams will not involve multiple choice questions.

#### Notes:

- Students seeking reappraisal of a piece of graded term work (term paper, essay, etc.) must 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.

Students' Union Vice-President Academic:

Kenya-Jade Pinto

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

[www.ucalgary.ca/sue](http://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](mailto: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](mailto: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 3<sup>rd</sup> 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.

Safewalk / Campus Security: 220-5333  
Emergency Assembly Location – Scurfield Hall Atrium

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2012-09-06