



Department of Economics Course Outline

Course:	Economics 373 [Game Theory and Strategic Thinking for Social Sciences]	Term:	Summer 2012
Time:	TR 09:00 - 11:50	Section:	60
Instructor:	Razieh Zahedi	Place:	SS 541
Office:	SS 409	Telephone:	403-220-4631
Office Hours:	TR 12:00-13:00	E-mail:	razie.zahedi@gmail.com

Textbook:

Harrington, Joseph E. *Games, Strategies, and Decision Making*, Worth, 1st edition, 2009

Recommended Textbook:

Dixit, Avinash, Skeath, Susan & Reiley, David. *Games of Strategy*. Norton, 3rd Edition, 2009

Osborne, Martin J. *An Introduction to Game Theory*. Oxford University Press. 1st edition, 2004

Books on Reserve:

Harrington, Joseph E. *Games, Strategies, and Decision Making*, Worth, 1st edition, 2009

Dixit, Avinash, Skeath, Susan & Reiley, David. *Games of Strategy*. Norton, 3rd Edition, 2009

Osborne, Martin J. *An Introduction to Game Theory*. Oxford University Press. 1st edition, 2004

Course Outline:

This course presents an introduction to the principles of game theory utilizing a non-mathematical and intuitive approach. The principles of strategic thinking are illustrated by application and examples in economics and other social sciences. The course objective is to develop the ability of students to reason strategically and to understand how game theory can be used to explain social interaction. The course will follow the textbook. However, some materials may be added or removed based on time constraints.

Introduction (Chapters 1 and 2)

Strategic Form Games (Chapters 3, 4, 5 and 7)

Extensive Form Games (Chapters 8 and 9)

Games of Incomplete Information (Chapters 10 and 11)

Repeated Games (Chapters 13 and 14)

Evolutionary Game Theory (Chapters 16 and 17)

Grade Determination and Final Examination Details:

3 quizzes		35%	
Final Exam	Scheduled by the Registrar (August 17-18)	45%	2 hours
Assignments		20%	

There will be three assignments (worth 20%), three quizzes (worth 35%), and a final exam (worth 45%). There will be No midterm exam. Late assignments will not be accepted. Assignments and exams will be marked on a numerical (percentage) basis. At the conclusion of the course, a final mark will be calculated using the weights above. This final mark will be converted to a letter grade. These letter grade equivalences will generally apply:

A+	96-100	B	76-79	C-	60-63
A	90-95	B-	72-75	D+	55-59
A-	84-89	C+	68-71	D	50-54
B+	80-83	C	64-67	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 the midterm and final examinations.

There will be a Registrar scheduled final examination, lasting **2** hours.

Notes:

- Students seeking a grade reappraisal should discuss their work with the Instructor within *seven days* of the work being returned to the class.
- Students who are unable to write the midterm because of a **documented** illness, family emergency or religious observance will have the midterm weight shifted to the final. A make-up midterm will not be given.
- 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 *seven days* after the start of this course.

Students' Union Vice-President, Academic

Kenya-Jade Pinto

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Students' Union Faculty Representative (Arts)

Phone: 220-3913 Office MSC 251

E-mail: arts1@su.ucalgary.ca

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

E-mail: sue@ucalgary.cawww.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.

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. 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 3rd 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: 403-220-5333
Emergency Assembly Point – Professional Faculties Food Court

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2012-06-15