



Department of Economics Course Outline

Term: Spring 2006

Course: Economics 373
[Game Theory and Strategic Thinking for Social Sciences]

Section: 20

Time: TR 14:00 ? 16:50

Place: ST 139

Instructor: P. Ponsko

Office: SS 409

Telephone: 220-4099

Office Hours: T 17:00 ? 18:00

E-Mail: pponsko@ucalgary.ca

Textbook(s):

- Carmichael, Fiona. *A Guide to Game Theory*, Prentice Hall, 1st edition, 2005. [**Required**]
- Dixit, Avinash K., Nalebuff, Barry J., *Thinking Strategically*, W. W. Norton [**Recommended**]
- Brandenburger Adam M., Nalebuff, Barry J., *Co-opetition*, Doubleday Publishing [**Optional**]

Book(s) on Reserve:

None

Blackboard:

Students who are registered in this course can log on at <http://blackboard.ucalgary.ca/webapps/login>

Course Outline:

1. Introduction to Strategic Thinking	Carmichael, Chapter 1
2. Simultaneous Games, Nash Equilibrium,	Carmichael, Chapters 2, 3
3. Sequential move games	Carmichael, Chapters 4
4. Probability in games and Mixed Strategies	Carmichael, Chapters 5, 6
5. Asymmetric Information	Carmichael, Chapter 7

Grade Determination and Final Examination Details:

Your grade will be based on two mid-term tests (15% each), two assignments (10% each), and a Registrar scheduled final examination (2 hours; 50%).

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+	96 ? 100	B+	82 - 86	C+	71 ? 73	D+	57 ? 60
A	90 ? 95	B	77 ? 81	C	66 ? 70	D	50 ? 56
A-	87 ? 89	B-	74 ? 76	C-	61 ? 65	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. There will not be second-chance midterms and assignments.

Calculators WILL NOT be allowed during the writing of tests or final examinations.

There will be a Registrar scheduled final examination, lasting 2 hours. It will be held in a classroom.

Tests and exams may but do not have to involve multiple choice questions.

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

www.fp.ucalgary.ca/econ

Notes:

- Students seeking reappraisal of a piece of graded term work (assignment, mid-term test) should discuss their work with the Instructor within *seven days* of the work being returned to the class.
- Students should be aware of the importance of appropriate sequencing of their courses to meet all the graduation requirements, especially in the Honours program. Honours students should complete Math 249 or 251, and Math 211 no later than the second year. This is very important because these courses are prerequisites for Econ 387/389, which in turn are prerequisites for Econ 557/559. Also Stat 213 should be completed no later than the third year because it is a prerequisite for Econ 315, which in turn is a prerequisite for Econ 419. We suggest that you consult the Calendar, and the brochure "Undergraduate Programs in Economics." If you still need help you should speak with a Student Advisor in the Economics Department.
- Make-up mid-term tests/assignments and deferred mid-term tests/assignments will not be given. In cases of documented illness, documented family emergency, or documented religious observance, extra weight will be given to the final examination.
- Mid-term tests and the final examination will not be given before the indicated dates.

Safewalk / Campus Security: 220-5333

PP/mi

2006-04-06