



## Department of Economics Course Outline

<b>Course:</b>	Economics 373 [Game Theory and Strategic Thinking for Social Sciences]	<b>Term:</b>	Fall 2011
<b>Time:</b>	M/W/F, 10:00 -10:50 a.m.	<b>Section:</b>	01
<b>Instructor:</b>	B. Curtis Eaton	<b>Place:</b>	ST 139 (subject to change)
<b>Office:</b>	SS406	<b>Telephone:</b>	220-2672
<b>Office Hours:</b>	Th 1:00-3:00 p.m.	<b>E-mail:</b>	eaton@ucalgary.ca

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

Harrington, Joseph E. Games, Strategies, and Decision Making, Worth, 1<sup>st</sup> edition, 2009.

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

none

### **Course Outline:**

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:**

There will be one midterm exam (worth 30%), a final exam (worth 30%), and weekly in-class quizzes (worth 40% in total).

The midterm exam and the weekly quizzes are designed to reward **diligence**. In particular, most students who diligently prepare for the weekly quizzes will go into the final exam with a sound mark, somewhere in the B to A range. On the other hand, students who do not take the time to prepare for the weekly quizzes will go into the final exam with a weak mark.

The final exam is designed to reward **creative problem solving**. Students will find it significantly more difficult than the quizzes and midterm exam, and the average grade will be significantly lower, somewhere in the C range if past experience is any guide.

The midterm and final examinations and the weekly quizzes 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	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	00-45

A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

Except with permission of the instructor, students are NOT allowed to use electronic devices including cell phones and computers during class. Permission will be granted only in very special circumstances.

Non-programmable calculators WILL NOT be allowed during the writing of tests or final examinations.

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

Tests and exams WILL NOT involve multiple choice questions.

Students' Union Vice-President, Academic

Ola Mohajer

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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 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 – ICT Food Court  
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