



Department of Economics Course Outline

Course:	Economics 387 [Mathematical Economics I]	Term:	Fall
Time:	TR 15:30-16:45	Section:	01
Instructor:	Dr. J. R. Boyce	Place:	ST 127 (subject to change)
Office:	SS412	Telephone:	403 220 5860
Office Hours:	TBA	E-mail:	boyce@ucalgary.ca

Textbook(s):

Chiang, A., and K. Wainwright, *Fundamental Methods of Mathematical Economics*, McGraw-Hill, 2005, 4th edition

Book(s) on Reserve:

None

Course Outline:

This course introduces students to the application of mathematical methods in economic theory. Techniques discussed include elementary algebra, linear algebra, single and multivariable calculus, optimization (unconstrained, equality constrained, inequality constrained, and dynamic), equilibrium analysis, comparative static analysis, differential and difference equations, and analysis and optimization of dynamical systems. Applications from microeconomic and macroeconomic theory and econometrics are used to illustrate concepts throughout the course.

Grade Determination and Final Examination Details:

1st Midterm Examination (Thursday, October 13, in class): 30%
2nd Midterm Examination (Thursday, November 10, in class): 30%
Final Examination (Registrar scheduled): 40%

Examinations are marked on a numerical (percentage) basis. The course grade is calculated using the above weights. The following letter grade equivalences will generally apply:

A+	100	B	80	C-	60
A	95	B-	75	D+	55
A-	90	C+	70	D	50
B+	85	C	65	F	<50

Non-programmable calculators will be allowed during the writing of all examinations.

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

Tests and exams will not involve multiple choice questions.

Students' Union Vice-President, Academic

Ola Mohajer

Phone: 220-3911

E-mail: suypaca@ucalgary.ca

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.ca

www.ucalgary.ca/sue

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 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: 220-5333
Emergency Assembly Location – ICT Food Court

JB/mi

2011-07-15