

## Economics 453(01) Cost-Benefit Analysis

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Lecture Location: MS 211  
Lecture Days/Time: MWF 10:00 – 10:50 a.m.

Office: SS348  
Office Hours: MW: 1:30 to 2:30 p.m.  
T: 3:30p.m. to 4:30 p.m.

Winter 2017

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### Textbook(s):

Required: There are no textbooks for this course. I will be providing the notes and any supplementary notes.

### Book(s) on Reserve:

Shaffer, Martin, Multiple Account Benefit-Cost Analysis: A Practical Guide for the Systematic Evaluation of Project and Policy Alternatives, University of Toronto Press, Toronto, 2010.

**Desire2Learn:** This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at <http://d2l.ucalgary.ca> using or through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. It is your responsibility to ensure that D2L uses the e-mail address of your choice. The default is your University of Calgary e-mail address.

### Course Outline:

This course will focus on two aspects of cost benefit analysis. The first part of the course will look at the framework for constructing an investment cost benefit analysis. A review of basic finance and discounting will be examined. In particular, this part of the course focuses on how a firm selects a project based on mutually exclusive and independent alternatives. The second (and most comprehensive part of the course) examines the theoretical basis for social cost analysis and the appropriate appraisal techniques. This part of the course examines the benefit/costs from a social welfare perspective and evaluates different proposals by using a social discount rate.

**Grade Determination and Final Examination Details:**

Two Assignments (15% each) (due dates will be announced during the term)	30%
Midterm Exam (Friday March 3, 2017)	30%
Final Exam	<u>40%</u>
	100%

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

**(a) Assignments:**

There will be two assignments, each of which is to be submitted at the beginning of class on the due date. In exceptional cases, they may be handed in before that date to the instructor personally. Answers to assignments will be discussed in class shortly after each assignment falls due. For this reason, late assignments will be given a score of zero, although you may still wish to have the work corrected and returned without a score being recorded. I will hand out the assignment approximately 7 to 10 days before the due date.

Students are encouraged to discuss the assignments with their classmates. But each must write up his or her own answers in his/her own words. Copying or misrepresenting someone else's work as your own is a serious offence that will not be tolerated. Your attention is to be directed to the 'Statement of Intellectual Honesty' in the 2015-16 Calendar.

**(b) Examinations:**

1. Examinations will consist of problem solving questions.
2. The midterm examination will be held during the lecture time. **The exam must be completed during the specified time. Extra time will not be given for any reason.**
3. The final examination will last for two hours and will be scheduled by the Registrar. **The exam must be completed during the specified time. Extra time will not be given for any reason.**
4. The use of a non-programmable calculator is permitted during the midterm test and the final examination. **The use of tablets, computers, cell phones, blackberry's and other electronic devices (unless approved by your instructor) is not permitted.**

Tests, quizzes and final exams are marked on a numerical (percentage) basis. The marks are then added using the weights indicated above and converted into letter grades. As a guide to determining standing, these letter grade equivalences will generally apply:

A+	95 – 100	B	73 – 76	C-	60 – 62
A	85 – 94	B-	70 – 72	D+	56 – 59
A-	80 – 84	C+	67 – 69	D	50 – 55
B+	77 – 79	C	63 – 66	F	0 – 49

Non-programmable calculators will be allowed during the writing of tests or final examinations.

**Notes:**

1. Students should be aware that no "make-up" midterms will be given. Any student who finds it necessary to miss the midterm must notify the instructor in advance (if possible) and produce a valid medical certificate in order to allocate the grade to the final exam. (documentation MUST be provided) This adjustment will result in the final exam counting for 70% of the final grade.
2. Examinations will not be given prior to the scheduled date.
3. Students should be aware of the academic regulations outlined in The University of Calgary Calendar.
4. Students seeking reappraisal of a piece of graded term work should discuss their work with the instructor *within fifteen days* of work being returned to class. However, the earliest that grades will be discussed will be two days after the return of an assignment or examination.
5. Please note that the following types of emails will receive no response: emails not addressed to anyone in particular; emails where the recipient's name is not spelled correctly; anonymous emails; emails which do not specify the course and section in which you are registered; and, emails involving questions that are specifically addressed on the course outline.
6. I check my emails twice per day, once in the morning and once in the afternoon. (Excluding weekends) Since I teach hundreds of students, please send me an email only if it is absolutely necessary and/or in the case of an emergency.
7. The use of lap-top computers, notepads, iPads, and electronic tablets are permitted as long as the student uses these devices for note-taking only. Sending emails and/or surfing the internet during lectures is strictly prohibited. **The use of cell phones for any purposes in class is not allowed.**

**Academic Accommodation**

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities Visit [www.ucalgary.ca/access/](http://www.ucalgary.ca/access/).

Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf>

**Plagiarism and Other Academic Misconduct**

Intellectual honesty is the cornerstone of the development and acquisition of knowledge and requires that the contribution of others be acknowledged. Consequently, plagiarism or cheating on any assignment is regarded as an extremely serious academic offense. Plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Students should examine sections of the University Calendar that present a Statement of Intellectual Honesty and definitions and penalties associated with Plagiarism/Cheating/Other Academic Misconduct, <http://www.ucalgary.ca/pubs/calendar/current/k-5.html>

Students' Union Vice-President Academic:

Alicia Lunz

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Society of Undergraduates in Economics

[www.ucalgarysue.com](http://www.ucalgarysue.com)

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.

#### *Faculty of Arts Program Advising and Student Information Resources*

- Have a question, but not sure where to start? The Arts Students' Centre is your information resource for everything in Arts! Drop in at SS102, call them at 403-220-3580 or email them 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, including program planning and advice.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Library Block.

Online writing resources are available at <http://www.ucalgary.ca/ssc/resources/writing-support>

#### **Evacuation Assembly Point**

In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The list of assembly points is found at <https://www.ucalgary.ca/emergencyplan/home/evacuation-assembly-points>

Please check this website and note the nearest assembly point for this course

#### **Safewalk**

The Safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year.

**Call 403-220-5333**