



## Department of Economics Course Outline

		<b>Term:</b>	Fall 2013
<b>Course:</b>	Economics 487 Environmental Economics	<b>Section:</b>	01
<b>Time:</b>	TR 12:30 - 13:45	<b>Place:</b>	SB 105
<b>Instructor:</b>	Dr. J. C. Carbone		
<b>Office:</b>	SS 438	<b>Telephone:</b>	403-220-4094
<b>Office Hours:</b>	TR 14:00 – 15:00p or by appointment	<b>E-mail:</b>	<a href="mailto:jccarbon@ucalgary.ca">jccarbon@ucalgary.ca</a>

### Textbook(s):

Charles D. Kolstad, *Environmental Economics, 2nd edition*. (Oxford University Press, 2010).

**Book(s) on Reserve:** The textbook is intended as the main reading for the course. Other materials pertinent to class discussions will be distributed via Blackboard.

### Course Outline:

- Introduction: Sept. 10-12.
  - Chapter 3: Social Choice: How Much Environmental Protection?
  
- Markets and Market Failures: Sept. 17-Oct. 3
  - Chapter 4: Efficiency and Markets
  - Chapter 5: Market Failure: Public Goods, Public Bads and Externalities
  - Chapter 6: Making Decisions about Environmental Programs
  - Chapter 13: Property Rights
  
- Review Session for First Midterm: Oct. 8
  
- First Midterm Exam: Oct. 10

- Valuing the Environment: Oct. 15-31
  - Chapter 7: Demand for Environmental Goods
  - Chapter 8: Hedonic Price Methods
  - Chapter 9: Household Production
  - Chapter 10: Constructed Markets
- Review Session for Second Midterm Exam: Oct. 31
- Second Midterm Exam: Nov. 5
- Regulating Pollution: Nov. 7-21
  - Chapter 11: Regulating Pollution
  - Chapter 12: Emissions Fees and Prices.
  - Chapter 15: Regulation with Unknown Control Costs
  - Chapter 16: Audits, Enforcement and Moral Hazard
- Class Presentations: Nov. 26-Dec. 5

**Grade Determination and Final Examination Details:**

Class Participation	5%
Review Questions	10%
Class Presentation/Essay	15%
First Midterm Exam	20%
Second Midterm Exam	20%
Final Exam	30%

There will be two in-class midterm exams. The exams will be graded on a numerical basis. Prior to each exam I will distribute a set of review questions. You will hand in a written copy of your answers to these questions prior to the review session held before each exam. You will receive a grade of “check minus”, “check” or “check plus” on these assignments. At the end of the term, you will identify an environmental policy problem of your own choosing and write a short (5 page) essay on the topic and present the findings of your analysis to the class in a short

(15 min) presentation. The details of this assignment will be handed out during class near the beginning of the term.

A two hour final examination to be held in a classroom will be comprehensive and scheduled by the Registrar's Office.

Tests and final exams are marked on a numerical (percentage) basis, and 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 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

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

Any student who finds it necessary to miss a midterm exam must notify the instructor in advance (if possible) and produce a valid medical certificate (or other required documentation) in order to have a make-up examination. Deferred examinations will not be given *except in cases of extreme personal emergencies*. Also, examinations will not be given *before* the indicated dates.

Non-programmable calculators WILL be allowed during the writing of tests or final 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:

Emily Macphail

Phone: 220-3911

E-mail [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)

Students' Union Faculty Representative (Arts)

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E-mail [arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca), [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca), [arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca), [arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

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

[www.ucalgary.ca/sue](http://www.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](mailto: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](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.
- 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 3<sup>rd</sup> 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.
- Online writing resources are available at <http://ucalgary.ca/ssc/writing-support/online-writing-resources>

Notes:

- 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.
- 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.

Safewalk / Campus Security: 220-5333  
Emergency Assembly Point: ICT Food Court

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