**ENV 347H: The Power of Economic Ideas 2019**

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**Introduction**

From Keynesianism to trading greenhouse gas permits, the principles of economics have had far greater policy impact than those of any other academic discipline. The course examines that power in the field of environmental policy, including the battle by ecological economics to introduce new ideas such as the importance of scale, the zero discount rate and inherent value.

Economics exerts its influence on environmental policy through three sets of ideas: (1) the doctrine of “laissez-faire” or “free competitive markets”, which sets the context for all public policy-making; (2) the general principles of “welfare economics”, especially as reflected in benefit-cost analysis and the techniques that have been developed to estimate the economic value of environmental impacts; and, (3) the specific use of the concept of “externalities”, for example, in the trading of emissions permits. This influence is exerted through an ideology, which has been characterized by a continual adaptation of economic ideas to changing political and macroeconomic circumstances. The course examines the key substantive economic ideas and the process of ideological accommodation as well as relevant alternative ideas, especially those of ecological economics, and their relationship to the dominant economic ideology.

The course is designed for students with little or no training in economics. Students who have taken economics courses are also encouraged to take the course but should expect to be exposed to ideas not taught in mainstream economics. This does not mean that this a survey course of dissenting and minority views of economics (e.g. Wicksell, Commons, Kalecki, Robinson); only those ideas that are relevant to environmental issues are examined.

The role of economic ideas in several significant public policy decisions will be examined, including:

- the Kyoto Climate Change protocol and Carbon Taxes;
- tradeable emissions permits (the US Clean Air Act and the more recent Ontario; regulations under the Environmental Protection Act);
- budgetary reductions targeted on environment-related programs;
- “green” taxes (e.g. the Ontario tax for fuel conservation, tipping fees); and,
- deregulation and privatization of water and sewage and electrical infrastructure.

As an Ontario Public Servant for more than 20 years, most of which in senior policy capacities, the instructor is able to bring first-hand knowledge of many of these decisions and the role played by economics. This year, the deregulation and privatization of
electricity systems will be emphasized particularly. Electricity systems provide an ideal window through which to understand the limitations of the market mechanism.

Objectives

The objectives of the course are that, irrespective of starting knowledge of economics, students will:

- show a demonstrated understanding of key economic ideas; and,
- show a demonstrated understanding of how these ideas have influenced policy.

Assignments:

Attendance and surveys – 5%
Readings log, 30%
Think piece, 25%
Major paper, 40%

Evaluation criteria:
The primary criteria used in evaluating written work will be:

1) Mechanics: Your work must be completely free of grammatical errors, spelling errors or major factual errors. References can be in any style but the same format must be used consistently and they must be accurate.

2) Writing style: Your papers should be written in a clear and unambiguous style which assists, rather than impedes, communication with the reader.

3) Structure: Your written work should have a clear focus, provided by the research question, and a structure which logically flows from that focus.

4) Precision and accuracy: Precision means saying exactly and specifically what you mean, avoiding ambiguity and vague generalities. Accuracy refers to absence of major factual errors.

5) Analysis: Your analysis should display understanding of the topic and, based on that understanding, originality of thought.

All written assignments are to be submitted through the course website.

Lateness and remarking: All written assignments received after the due date will be penalized 0.5% per day of lateness. Students who wish to have an assignment remarked should approach the Teaching Assistant to discuss the assignment. If the student is not satisfied the instructor will remark the assignment.

Handing in assignments: assignments will be handed in via the course website (Quercus).
For the *readings log* these criteria are applied to a specific structure, *viz.* each reading is summarized concisely in two parts; a description of the main point the student took from the reading and, their response to it. This is not an “annotated bibliography”. A minimum of six readings are chosen from the course reader. The log is due on week 9 (November 12). Total words; 3,000-3,500.

The *Think Piece* (**deadline, week 4, October 1**) will require students to reflect on the chapter 4 of the Houldin book. There is no set structure for these reflections. The emphasis in this assignment is on the students’ thoughts in relation the chosen ideas from the reading, not on building and defending a thesis. Total words, 2,000-2,500.

*The Major Paper* must be on some aspect of ecological economics or conventional environmental economics, either from a selected list of topics or by agreement with the instructor. Total words; 2,500-3,500. The paper is due December 3.

*Attendance and Surveys* – weekly attendance will be taken and students will be expected to complete two short surveys through Quercus.

**Weekly Topics**

**Week 1 (September 10)**
Introduction and overview
- Economics and ideology
- Key ideas of economics

**Week 2 (September 17)**
Historical review of key economic concepts
- Laissez-faire and “Say’s Law”
- Production function
- Opportunity cost
- Demand schedule
- The auctioneer
- The Pareto principle
- Public goods
- Keynes and macroeconomics

**Week 3 (September 24)**
Key concepts of environmental economics
- Externalities
- Pigovian Tax
- Coase “Theory”
- Discounting
- Hotelling Rule

**Week 4 (October 1)**
Key concepts of “ecological” economics
- Steady-state economics
- Ecological footprint and carrying capacity
- Satellite GDP accounts
- Ecological services
- Environment as a production factor; the meaning of capital

**Week 5 (October 8)**
- Economic policy based on “market failures”
- Electricity as an exemplar of market failures

**Week 6 (October 15)**
How economics fuelled the neoconservative wave of the last twenty years
- Budget setting
- Inflation
- Debt and deficits

**Week 7 (October 22)**
How the ascendancy of neoconservatism affected the environmentalists’ agenda
- deregulation
- voluntary regulation
- economic instruments vs Command and control

**Week 8 (October 29)**
Privatization and deregulation of water and sewer and electric utilities
- Overview
- Walkerton
- Break up of Ontario Hydro
- Neglect of infrastructure

**November 5**
No class – Fall Reading Week

**Week 9 (November 12)**
Electricity case study
  - Economic theory
  - Ontario’s historical context

**Week 10 (November 19)**
Electricity case study
  - Topical issues

**Week 11 (November 26)**
Ontario’s Climate Change Policy
  - Guest lecture; Jim Whitestone

**Week 12 (December 3)**
Wrap-up class

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**Accessibility Needs:**
The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns
about the course, the classroom or course materials, please contact
Accessibility Services as soon as possible:
disability.services@utoronto.ca or http://studentlife.utoronto.ca/accessibility.

PLAGIARISM

Please note that according to the University’s Code of Behaviour on Academic Matters, it is
an offence for a student to:

1. “represent as one’s own any idea or expression of an idea or work of another in any
academic examination or term test or in connection with any other form of academic
work, i.e., to commit plagiarism.”
2. “submit, without the knowledge and approval of the instructor to whom it is
submitted, any academic work for which credit has previously been obtained or is
being sought in another course or program of study in the University or elsewhere.
3. “submit for credit any academic work containing a purported statement of fact or
reference to a source which has been concocted.”

See “Code of Behaviour on Academic Matters” on the U. of T. Governing Council website
at this address: http://www.governingcouncil.utoronto.ca/policies/behaveac.htm

See also the handout “How Not to Plagiarize,” Margaret Proctor, 2009, available online at
http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize

Cases of suspected plagiarism will be addressed in accordance with the procedure established
by the Code of Behaviour on Academic Matters.

3. Message on Academic Integrity

Academic integrity is fundamental to learning and scholarship at the University of
Toronto. Participating honestly, respectfully, responsibly, and fairly in this academic
community ensures that the U of T degree that you earn will be valued as a true
indication of your individual academic achievement, and will continue to receive the
respect and recognition it deserves. Familiarize yourself with the University of Toronto’s
Code of Behaviour on Academic Matters
(http://www.governingcouncil.utoronto.ca/policies/behaveac.htm). It is the rule book for
academic behaviour at the U of T, and you are expected to know the rules. Potential
offences include, but are not limited to:

. • In papers and assignments:
. • Using someone else’s ideas or words without appropriate
acknowledgement
. • Copying material word-for-word from a source (including lecture and
study group notes) and not placing the words within quotation marks
• Submitting your own work in more than one course without the permission of the instructor

• Making up sources or facts

• Including references to sources that you did not use

• Obtaining or providing unauthorized assistance on any assignment including:

○ working in groups on assignments that are supposed to be individual work

○ having someone rewrite or add material to your work while “editing”

○ Lending your work to a classmate who submits it as his/her own without your permission

On tests and exams:

• Using or possessing any unauthorized aid, including a cell phone

• Looking at someone else’s answers

• Letting someone else look at your answers

• Misrepresenting your identity

• Submitting an altered test for re-grading

Misrepresentation:

• Falsifying or altering any documentation required by the University, including doctor’s notes

• Falsifying institutional documents or grades

You can get further guidance on academic integrity from the website of the Office of Student Academic Integrity at: www.artsci.utoronto.ca/osai/students. That website will also provide you with the form to be used to submit cases of suspected academic offence to me, the Director (not to Academic Associate Director or Undergrad Advisor).
Bibliography:

1. General

The prescribed book for the course is: Houldin, RW Electric Vultures Selling Bottled Lightning: Ontario’s electricity policy debacle (Beau Bassin, Lambert, 2018). There is also a course reader (“coursepack”) which is available through the Library and may be reached from Quercus; some of the recommended readings are on Que.

2. Books

Additional books are as follows. Readings marked by an asterisk are included in the coursepack. Otherwise, these readings are resources for students.

Bazelon, David (1960s). The Paper Economy (New York, Vintage)* (chapters 8 and 9)
Daly, Herman (1999) Ecological economics and the ecology of economics (Washington DC, Island press)
Friedman, Milton (1960) Capitalism and Freedom (Chicago, University of Chicago)* (selections)
Martin, James Stewart. (1950). All Honourable Men (Boston, Little-Brown)* (selections)
McLellan, David (1986)Ideology (Milton Keynes, Open U Press), chapter 1
Victor, Peter A., Managing Without Growth: slower by design not disaster (Cheltenham, Elgar, 2008) *

3. Papers
These readings are organized by week under the following headings; recommended, and further, more technical. The latter are provided primarily to provide resources to allow individual students to pursue ideas of interest, for example, in the development of a major paper topic; it is not expected that all students will read all or even most of these works. The readings are designed to enhance understanding of the weekly topics but are not required. Those marked with an asterisk are included in the coursepack.

Week 1

Keynes, John Maynard (1936), *op. cit.*, pp. 372-84
Galbraith, John Kenneth (1992), *op. cit.* pp.1-13,78-94*
Bazelon, David, *op.cit.* pp171-93*
McLellan, David (1986) *Ideology* (Milton Keynes, Open U Press), chapter 1

Week 2

Houldin, R.W., *op.cit.*, chapter four
Caro, R., *op.cit.*, Chapter 35*
Friedman, M, *op.cit.*, pp 7-21,166-68*
Martin, J.S. *op.cit.*, pp 3-16,289-300*
Galbraith, John Kenneth (1973), *op.cit.*, *
Gilder, G., *op.cit.*,pp75-85
Baran, M and Sweezy, P., *op.cit.*, pp 53-78
Schumpeter, Joseph (1942) *Capitalism, Socialism and Democracy* (New York, Harper Bros), ch VI

Further, more technical

Week 3

Victor, Peter A., *op cit.* *

Further, more technical
Polanyi, Karl (1957) *The Great Transformation* Beacon Press, Boston; Ch 4
Week 4

Sagoff, Mark, *Ecological Economics: A Cautionary tale*
Daly, Herman, (1991) *op.cit.*
Costanza, Robert, *op.cit*
Osberg, Lars and Sharpe (1998), Andrew An index of well-being for Canada Conference paper, *Center for the Study of Living Standards*
Pearce, David, *op.cit. (1998)*
Rees, William (1997) Let’s assume we’re sustainable *Dollars and Sense* May/June 38-9

Further, more technical
Georgescu-Roegen, Nicholas R. *op.cit.*
Söderbaum ,Peter (1990) Neoclassical and institutional approaches to environmental economics *J Economic Issues* XXIV 2 481-93
Vitousek, Peter M. *et al* (1986) Human appropriation of the products of photosynthesis
*Bioscience* 36(6) June 368-73
Dietz, Frank J. and van der Straaten, Jan (1992) Rethinking environmental economics; missing links between economic theory and environmental policy *J Economic Issues* XXVI (1) March 27-51

Week 5
Houldin, Chapters 1-4

Weeks 6 and 7


Further, more technical
Repetto, Robert et al (1992) Green Fees: how a tax shift can work for the environment and the economy, World Resources Institute, Chapter I
Pearce, David, (1998)op.cit*

Weeks 8, 9 and 10

Houldin RW Electric Vultures Selling Bottled Lightning: Ontario’s electricity policy debacle (Beau Bassin, Lambert, 2018), especially chapters two, three and five to eight. Other chapters will be announced for week 10 during the course.
Corry, Dan (1996) The Issues Raised by the experience of utility privatization in the UK Annals of Public and Cooperative Economics 67(3) 357-85
Roger Colton “Competition Comes to Electricity” Dollars & Sense Jan/Feb1997 16-21
The Economist “Chopping Up America’s Power” Editorial May 3 1997

Further, more technical

Week 11

Pearce, David, op.cit. (1998)*

Further, more technical
Elffers, Henk and Sommerhalder, Ruud (1995), Room for a radical shift from private income to environmental taxation? Australian Tax Forum 12, 51-65
Repetto et al (1992) op.cit., Chapter IV
Daly, Herman, op.cit.
Tokar, Brian (1996) Trading away the earth Dollars and Sense Mar/Apr 24-29
Week 12

Fox, Justin (1999) What in the world happened to economics? Fortune March 15, 91-102

Further, more technical