

Course Outline

Business Undeclared
School of Business & Economics
ECON 6080 - **3.00** - Academic

Policy and Regulation for Sustainable Management

Rationale

Based on recommendations from the Degree Quality Assessment Board, the following minor course changes are proposed:

- Change the course acronym from ESMN to ECON
- Change the prerequisites to ECON 6060

Calendar Description

Students explore the role of government policy in the regulation of the environment and sustainability. Topics include criteria for evaluating environmental policies; decentralized policies including liability laws and property rights; control and command policies; emission taxes and subsidies; transferable discharge permits; compliance costs, uncertainty, and information; federal and provincial environmental policy in Canada; air, land and water pollution control policies; policy on toxic and hazardous substances; local environmental issues; global environmental issues and policies.

Credits/Hours

Course Has Variable Hours: No

Credits: 3.00

Lecture Hours: 3.00

Seminar Hours: 0

Lab Hours: 0

Other Hours: 0

Clarify:

Total Hours: 3.00

Delivery Methods: (Face to Face)

Impact on Courses/Programs/Departments: None is expected

Repeat Types: A - Once for credit (default)

Grading Methods: (G - Graduate Programs)

Educational Objectives/Outcomes

1. Appraise the criteria for evaluating environmental policies.
2. Apply liability laws and property rights to sustainable management problems.
3. Assess the economics of command and control policies.
4. Evaluate the economics of emission taxes.
5. Explain the operation and problems of a permits market.
6. Compare and contrast the different approaches to environmental policy.
7. Evaluate compliance costs, uncertainty and informational issues in setting policy.
8. Critique different Canadian economic policy issues.
9. Analyze policy and regulatory issues relating to air, water pollution and toxic substances.
10. Appraise policy and regulatory issues relating to land use.
11. Assess local environmental issues.
12. Evaluate policy and regulatory issues relating to global environmental problems.

Prerequisites

ECON 6060-Applications of Environmental and Natural Resource Economics
or equivalent and

Co-Requisites

Recommended Requisites

Exclusion Requisites

Texts/Materials

Other

1. **Required** Textbooks

Field, Barry C. and Nancy D. Olewiler. 2011. Environmental Economics. Toronto: McGraw-Hill Ryerson.

Tietenberg, T., 2013, Environmental Economics and Policy, Pearson Addison Wesley.

Student Evaluation

The Course grade is based on the following course evaluations.

Assignments (10.00%) Online Discussion (20.00%) Midterm Exam (30.00%) Final Exam (40.00%)

Course Topics

1. Criteria for Evaluating Environmental Policies
 - Review marginal abatement cost and marginal damage concepts
 - Efficiency and fairness
 - Incentives, enforcement and monitoring
 - Moral considerations

2. Decentralized Policies
 - Liability laws and property rights
 - Moral suasion approaches
 - Market approach green goods
3. Control and Command Policies
 - Types of standards
 - The economics of standards
 - Standards and incentives
 - The economics of enforcement of standards
4. Emission Taxes and Subsidies
 - Types of emission taxes
 - The economics of emission taxes
 - Emission taxes and incentives
 - Abatement subsidies
 - Is there a double dividend from a carbon tax?
5. Transferable Discharge Permits
 - General principles
 - The economics of marketable discharge permits
 - Permits and incentive structure
 - Problems and issues with permits
 - Taxes or permits or both?
6. Compliance Costs, Uncertainty, and Information
 - Private and social cost of compliance
 - Uncertainty and information in setting environmental policy
 - More than one policy to tackle environmental problem?
7. Environmental Policy in Canada
 - General elements of Canadian environmental policy
 - Constitutional powers over the environment
 - Environmental regulation in a parliamentary system
8. Water Pollution-Control Policy
 - Types of water-pollutants and their impacts
 - Water pollution control policies
 - Efficiency and cost-effectiveness
 - Comparison with US policy - U.S. Clean Water Act and recent policies
9. Air Pollution-Control Policy
 - Types of air pollutants and their impacts
 - Air pollution control policies
 - Air pollution around the world control policy – The Clean Air Act
10. Policy on Toxic and Hazardous Substances
 - Types of toxic hazardous substances and their impacts
 - Toxic and hazardous substances current policy
 - Economic issues in toxic waste management
 - Economic incentives in toxic waste management
11. Local Environmental Issues: Recycling, Solid Waste Disposal, Water and Land Use

- Municipal solid waste
- The economics of recycling
- Water use; sewage and water treatment and groundwater protection
- Land use control policies

12. Global Environmental Issues and Policies

- Global pollutants and impacts
- Global environmental issues – climate change, biodiversity loss, nitrogen and phosphorus cycle
- Preservation of wildlife, genetic diversity and natural areas
- International environmental agreements

Methods for Prior Learning Assessment and Recognition

Students can apply for PLAR but it cannot be used to meet the program residency requirement.

Last Action Taken

Implement by Graduate Studies Committee Chair Debbie (Proxy GSC Chair) Krebs

Current Date: 27-Oct-20