

Environmental Economics and Environmental Policy Introduction

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1. Course Objectives

This course will take a comprehensive look at environmental economics and environmental policy, from the history of its development to its application to current global issues. Particular emphasis will be placed on 3 types of environmental policy; command and control (CAC), market based instruments (MBIs), and voluntary approach (VA). Furthermore, policy evaluation theory and methodology will be discussed.

Key Words: Environmental Economics, Environmental Policy, Cost Benefit Analysis, Benefit Assessment, Project Evaluation, Policy Evaluation, Evaluation Theory

2. Syllabus (Tentative)

1. Introduction

Part I : Theory of Environmental Economics and Environmental Policies

In this part, firstly, we will see two basic types of environmental policies, Command and Control (CAC), Market Based Instruments (MBIs), and Voluntary Approach (VA) and their efficiency.

Secondly, we will review the history of Air, Water and Climate Change policies in the world.

2. CAC and MBIs and the comparison of their efficiency (1)
3. CAC and MBIs and the comparison of their efficiency (2)
4. Voluntary Approaches
5. Air Pollution Policy
6. Water Pollution Policy
7. Climate Change Policy

Part II : Economic Evaluation on Environmental policy and Policy Analysis

In this part, we will discuss economic evaluation of environmental policy, focusing on Cost of Illness (COI), Stated Preference (SP), and Revealed Preference (RP).

8. Cost Benefit analysis in Environmental Policy (1)
9. Cost Benefit analysis in Environmental Policy (2)
10. Economic Valuation on Environmental Policy-COI, SP and RP (1)
11. Economic Valuation on Environmental Policy-COI, SP and RP (2)
12. Contingent Valuation Method (CVM) and Travel Cost Method (TCM) (1)
13. Contingent Valuation Method (CVM) and Travel Cost Method (TCM) (2)
14. The Design of Environmental Policy

15. Concluding remarks

3. References

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4. Grading Method

Class Participation 50%

Examination 50%