

## TEXTBOOKS

Winston Harrington, Richard D. Morgenstern, and Thomas Sterner, eds., *Choosing Environmental Policy*, Resources for the Future Press, Washington, D.C., 2004.  
William Strunk, Jr., and E.B. White, *The Elements of Style*, 4<sup>th</sup> edition, 2000.  
William Zinsser, *On Writing Well*, 6th edition (1998) or 25<sup>th</sup> Anniversary edition (2001).

## SYLLABUS

\* = optional reading

### **Week 1:** Economic instruments in Environmental policy; Writing introduction

Tues: Harrington, *Overview* (pp. 1-22)  
Zinsser, ch. 1-3

Thurs: Robert N. Stavins, "[Market-Based Environmental Policies](#)," Discussion Paper 98-26, Resources for the Future, Washington, D.C., 1998.

### **Week 2:** Externalities; water; nitrogen oxides

Tues: Hardin, Garrett, "[The Tragedy of the Commons](#)," *Science*, 162 (13 Dec 1968), pp. 1243-1248.  
Harrington, ch. 3 (water pollution - US)

Thurs: Harrington, ch. 5, 6 (NOx emissions)

### **Week 3:** Chlorofluorocarbons; lead; Writing principles

Tues: Harrington, ch. 7 (CFCs)  
Zinsser, ch. 4-5

Thurs: Harrington, ch. 8 (leaded gasoline - US)  
Zinsser, ch. 6-7

### **Week 4:** Sulfur dioxide emissions trading

Tues: **\*\*Statement of Problem due:** Tuesday in class  
Harrington, ch. 1, 2

Thurs: **\*\*One-page abstract due:** Thursday in class  
Guest lecture: SOx emissions trading (Prof. Kurt Van Dender)

### **Week 5:** Global warming; Usage & composition

Tues: John F. Shogren and Michael A. Toman, "[Climate Change Policy](#)," Discussion Paper 00-22, Resources for the Future Press, Washington, D.C., 2000.

\*Warwick J. McKibbin and Peter J. Wilcoxon, "The Role of Economics in Climate Change Policy," *Journal of Economic Perspectives*, 16(2), Spring 2002, pp. 107-129. (optional)

Thurs: Bolin, Bert, "[The Kyoto Negotiations on Climate Change: A Science Perspective.](#)" *Science*, vol. 279 (16 Jan 1998), pp. 330-331.

\*Joseph A. Kruger and William A. Pizer, "[Greenhouse Gas Trading in Europe: The New Grand Policy Experiment.](#)" *Environment*, 46(8), Oct. 2004, pp. 8-23. (optional)  
Strunk & White, ch. I-II

**Week 6:** Trichloroethylenes (TCEs); Lessons from case studies; Form, expressions, style

Tues: Harrington, ch. 11  
Strunk & White, ch. III-IV

Thurs: **\*\*Detailed outline and list of references due**

**Week 7:** Environmental policy; Writing methods

Tues: Harrington, ch. 12  
Strunk & White, ch. V

Thurs: Kenneth A. Small and José A. Gómez-Ibáñez., "[Motor Vehicle Air Pollution.](#)" selection from "Urban Transportation," in *Handbook of Regional and Urban Economics*, Vol. 3, (Amsterdam: North-Holland, 1999) (pp. 1958-1965). (Full list of [references](#) for entire article is available here if desired.)  
Zinsser, ch. 8, 9, plus pp. 80-81, 84-88

**Week 8:** Student presentations; Specialized writing

Tues: Zinsser, ch. 11, 15-16

Thurs: **\*\*First draft due**

**Week 9:** Student presentations; Writing attitudes

Tues: Zinsser, ch. 21-22

Thurs: **\*\*Opinion column due**

**Week 10:** Summary

Tues: Zinsser, ch. 2 (re-read)  
Kenneth A. Small, "How To Write an Abstract" (handout)

Thurs: **\*\*Final paper due 2 p.m. June 9, K. Small's mailbox, room SSPA 3151**

Notes:

Each student will be asked to present one or two of the syllabus readings, on a rotating basis.

Each student is expected to be able to discuss the readings during class. This is in lieu of an exam, so I will be paying attention to who seems to know the material!

All deadlines are to be taken seriously.

Preparation for class sessions is important, especially the materials on writing.

There will be short writing exercises during some of the classes.

Always make a copy of any written assignment you turn in.

**In commenting on papers**, I will often use the standard [UCI Correction Symbols](#). I also use square brackets to indicate [words you could omit for conciseness without loss of meaning].

## TERMPAPER

The primary assignment is a paper of 3000-4500 words (approx. 10-15 pages double-spaced, including tables and references). This paper should be in one of the topic areas in environmental economics that are covered on the syllabus. The topic of the paper should be narrow, and should require gathering information from several sources. The paper should contain both factual information about the specific problem addressed and an analysis of the economic forces at work. Where possible, it should draw upon the readings and concepts developed in this course. The final draft should include an abstract (150-250 words).

## OTHER WRITTEN ASSIGNMENTS

Statement of Problem: Prepare an essay, neatly typed and carefully edited, of 600-900 words (2-3 pages double-spaced) on the problem, question, issue, or policy question that you wish to make the main focus of your research project. You need not solve the problem or answer the question at this point; but try to point out the kinds of information or analysis that are needed to do so.

Abstract: A one-page (300-word) summary of the paper's topic, how you will address it, and what you expect to find out. (Note: you can incorporate some of this later into your first draft.)

Detailed outline and list of references: The outline is a list of topics and points that you expect to cover in your paper, arranged in a logical order and grouped into appropriately titled sections. Use "headline" style rather than complete sentences. Use any common outline style (e.g. 1, 2 etc. for section, 1.1, 1.2, etc. for subsection). Append a list of the references you expect to use, in a consistent reference style (see any published academic article or book for examples of good styles).

First draft: A draft of the complete paper; not just an outline or notes. There may be "holes", i.e. parts awaiting specific information still being gathered. This will be the primary vehicle for receiving feedback on improvements to the economic analysis and overall organization of the paper. *It is very important to the success of the final paper that you give this draft a serious effort.*

Opinion Column: By this point in the course, you should have developed some opinions about your topic. Share them with the world in the form of a non-technical short article suitable for the "op-ed" page in a good newspaper. Write it for the educated lay person, not for professionals and certainly not for economists! Maximum 500 words. Check any major newspaper for examples.

## GRADING

In addition to the three graded writing assignments (shown below), your grade will be based on the class presentation (weeks 8-9) and on "effort," which includes class attendance, participation in discussions, presentations of readings in class, and timely completion of abstract and drafts.

25%	Effort throughout course
10%	Statement of problem (due week 4 Tuesday)
10%	Opinion column (due week 8 Tuesday)
20%	Class presentation (weeks 8-9)
35%	Final paper (due week 10 Thursday)