



## **Synopsis and Contact Info: ENV 101**

### **Integrating Science and Policy**

**Fall 2008 – 1:30-2:20 MWF**

**Old Chem**

---

## **ABOUT THE COURSE**

This course applies principles from ecology, environmental economics and policy, statistics, earth sciences, and ethics to local, regional, and global environmental issues. Employing in-depth case studies, the course explores the complex interactions that characterize environmental problems. Course objectives include: exposing students to interdisciplinary approaches to environmental science, policy, and management; enabling students to develop problem solving skills to apply to environmental issues; and improving the technical writing capability of students.

The course meets three times per week, with lectures by faculty on Mondays and Wednesdays and breakout sections, led by teaching assistants, on Fridays. The Friday sections will usually be used to discuss readings and to work in groups on exercises related to the course material. You should feel free to direct questions to any of the teaching assistants, but will likely establish your best working relationship with your own teaching assistant.

---

## **COURSE READINGS**

The following books and case studies are available in the bookstore:

1. Truss, Lynne. "Eats, Shoots, and Leaves: The Zero Tolerance Approach to Punctuation." New York: Gotham Books, 2003.
2. Pollan, Michael. "The Omnivore's Dilemma." New York: The Penguin Group. 2006
3. Kingsolver, Barbara. "Animal, Vegetable, Miracle." New York: HarperCollins. 2007
4. "Pesticides in the Environment: DDT and Malaria," case study book.
5. "Childhood Lead Exposure: Effects and Policy Options," case study book.

In addition, other assigned readings are listed under "course documents" or are on electronic reserve in Perkins Library.

## COURSE REQUIREMENTS

---

### **Quiz**

One quiz on writing (6% of grade)

### **Written Assignments**

Two short (5% of grade each) and three medium-length policy memos (18% of grade each). More specifics on these memos will be provided as they are assigned.

### **Group Project**

One group wiki project (10% of grade); one group presentation (5% of grade).

### **Class Participation**

A discussion that includes the entire class will highlight the diversity of opinions that characterizes the environmental policy debate. Class participation will be assessed on the basis of class attendance and participation, contributions to breakout sections, and role-playing exercises (15% of grade).

### **Feedback on your writing**

Feedback on your writing is available from the teaching assistants and the course professors. We also encourage you to take advantage of the services offered by the University Writing Studio (visit [uwp.aas.duke.edu/wstudio](http://uwp.aas.duke.edu/wstudio) to learn more).

## HONOR CODE

---

All activities of Duke students, including those in this course, are governed by the Duke Community Standard. Duke University is a community dedicated to scholarship, leadership, and service and to the principles of honesty, fairness, respect, and accountability. Citizens of this community commit to reflect upon and uphold these principles in all academic and nonacademic endeavors, and to protect and promote a culture of integrity.

To uphold the Duke Community Standard, Duke students are expected to pledge:

- I will not lie, cheat, or steal in my academic endeavors
- I will conduct myself responsibly and honorably in all my endeavors
- I will act if the Standard is compromised

***Instructor: Dr. Marie Lynn Miranda***

**Email** [mmiranda@duke.edu](mailto:mmiranda@duke.edu)

**Work Phone** 919-613-8023

**Office Location** Room A134, LSRC

**Office Hours** Fridays, 2:45-4:30

**Personal Link** <http://www.nicholas.duke.edu/cehi>

***Instructor: Dr. Charlotte Clark***

**Email** [cclark@duke.edu](mailto:cclark@duke.edu)

**Work Phone** 919-684-3159

**Office Location** Room 07, Old Chemistry Building

**Office Hours** Monday and Wednesday 2:45 to 5pm. Old Chem 07 (across from Von Der Heydn cafe (the Perk))

***Teaching Assistant: Elizabeth Davis***

**Email** [efd4@duke.edu](mailto:efd4@duke.edu)

**Office Location** Room A223, LSRC

**Office Hours** Thursday, 1:00-3:00 p.m.

***Teaching Assistant: Zachary Brown***

**Email** [zsb2@duke.edu](mailto:zsb2@duke.edu)

**Office Location** LSRC A123

**Office Hours** Tuesday 2-4pm

***Teaching Assistant: Anthony Otto***

**Email** [aso9@duke.edu](mailto:aso9@duke.edu)

**Office Hours** Thursday 4:15-6:15 Sanford Institute Commons