Environmental Management II Course Introduction

Harvard University Distance Education Program

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Now on the Web
Take this Course Online!
Distance Learning Program
Spring Term 2005
## Hybrid Course Model

- **✓ Students attending class lectures in-person**
  - Harvard Campus

- **✓ Distance Students attending via the Internet**
  - Streaming video, slides, & web resources

- **✓ Nodal Classes via the Internet**
  
  **All lectures, assignments, handouts, and review materials are available online to all students**

24 hrs/day 7 days/week.

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Short Papers

Undergraduate Students
Submit two (2) short papers
4-6 pages - 10% of grade each

Paper #1 - Due March 23rd
View archive lecture. Explore related web and text references.
Write about an aspect of lecture topic that interests you.

Paper #2 - Due May 4th
Write about a class / independent field trip or a seminar / lecture / event you attend.

Graduate Students
Submit one (1) short paper
4-6 pages - 10% of grade

Paper #1 - Due March 23rd
View archive lecture. Explore related web and text references.
Write about an aspect of lecture topic that interests you.

OR

Paper #2 - Due May 4th
Write about a class / independent field trip or a seminar / lecture / event you attend.
Weekly Feedback

- Briefly Summarize a Key Topic from Weekly Lecture
- Comments & Suggestions
- Write (1) Multiple Choice Question
- Due by Next Class – 10% of Grade

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Undergraduate Course Requirements

COURSE REQUIREMENTS FOR UNDERGRADUATE STUDENTS:

1. Attend at least 80% of classes (be sure to sign attendance sheet)
2. Midterm Examination (35% of grade) - March 23rd
3. Submit Weekly Lecture Feedback form & exam question (10% of grade)
4. Short Paper #1, [4 - 6 pages] (10% of grade) - due March 23rd
   write about a topic suggested by an archive lecture on course website
5. Short Paper #2, [4 - 6 pages] (10% of grade) - due May 4th
   write about a class-independent field trip or a seminar/lecture/event you attend
   Topic must be selected by - April 6th
   Suggested: URBAN ARKTOUR ($15)
   Saturday, February 28th - 10:00 AM - 12:00 PM
   Sunday, February 28th - 1:00 PM - 3:00 PM
   Contact: Fran Seasholes (617) 965-5927
6. Final Examination (35% of grade) - May 25th

Grading - Undergraduate Students

✔ Midterm Exam 35%
✔ Final Exam 35%
✔ Paper #1 10%
✔ Paper #2 10%
✔ Weekly Feedback 10%
✔ Total 100%
Graduate Course Requirements

1. **Attend** at least 80% of **Classes** (be sure to sign attendance sheet)
2. **Midterm Examination** (25% of grade) - **March 23rd**
3. **Submit Weekly Lecture Feedback** form & exam question (10% of grade)
4. **Short Paper** (4 - 5 pages) (10% of grade) - **due March 23rd**
   - Write about a topic suggested by an archive lecture on course website
5. **Final Examination** (25% of grade) - **May 15th**
6. **Graduate Research Paper** (30% of grade) - **due April 27th**
   - 15 - 20 pages in length on an approved topic that typically involves sampling and/or surveys. Up to three students may form a project team
   - Individual contribution must be clearly defined.
   - 1-page topic proposal - **due March 9th**
   - Topic must be approved by a Course Professor & Graduate TA
   - Each project team will summarize their work in a 5 minute oral presentation to the class: **May 11th or May 18th 2005**

Grading - Graduate Students

Graduate Project Report 15-20 pages (per student) in length, on an approved topic that typically involves sampling and/or surveys. Up to three students may form a project team (individual contribution must be clearly defined). Each project team will summarize their work in a short oral presentation to the class on 11 or 18 May 2005.

<table>
<thead>
<tr>
<th>Component</th>
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<tr>
<td>Midterm Examination</td>
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<td>Short Paper</td>
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<td>Weekly Feedback</td>
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<td>Graduate Project</td>
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Graduate Student Work

Graduate Web Projects
Distance Learning Students

- Related project in your area
- Partner with local students @ Harvard

Send email to TA this week identifying yourself as a distant learner & verifying your email address:

bblancha@hsph.harvard.edu

Ask-the-TA
Course Textbook

Environmental Science
-- Earth as a Living Planet
4th Edition

Daniel B. Botkin
& Edward A. Keller

Pub. John Wiley & Sons, Inc. NY
available at the Harvard Coop

Urban Ark Tour

Two tours available:

- **February 26, 2005** [Saturday]
  - Time: 10:00 AM to 12:00 PM
- **February 27, 2005** [Sunday]
  - Time: 1:00 PM to 3:00 PM
  - Cost: $15.00

Call Fran Seasholes:
(617) 969-5927
so that Urban Ark will know how many students to expect.

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Independent Field Trips (Papers)

- Harvard Recycling
- EPA Superfund Site
- Boston Sea Rovers conference
- EPA Region I annual conference
  - one in each region
- Lectures & symposia
  - over 200 in Boston area
  - seek out similar opportunities in your area

Cape Cod Field Trip

- Sunday
- May 1st 2005
Environmental Management II

Energy Basics

Susan C. Doll, Sc.D., M.S.
Environmental Health & Engineering, Inc.
Senior Scientist

Energy – Part 1

Zachary D. Zevitas
Instructor of Environmental Management
Harvard University Extension School
Non-Renewable Energy 2

Zachary D. Zevitas
Instructor of Environmental Management
Harvard University Extension School

Alternative Energy - 1

Susan C. Doll, Sc.D., M.S.
Environmental Health & Engineering, Inc.
Senior Scientist
Alternative Energy 2

Susan Doll, Sc.D.
Senior Scientist
Environmental Health and Engineering, Inc.

Transportation 2005

Christopher D. Zevitas
Environmental Engineer
U.S. Department of Transportation
Urban Air Pollution: Motor Vehicle Emissions

Petros E. Koutrakis, Ph.D.
Professor of Environmental Sciences
Harvard School of Public Health

Graduate Student Colloquium
INDOOR AIR QUALITY

Part One

John D. Spengler, Ph.D.

Akira Yamaguchi Professor of Health & Human Habitation
Harvard School of Public Health

INDOOR AIR QUALITY

Part Two

John D. Spengler, Ph.D.

Akira Yamaguchi Professor of Health & Human Habitation
Harvard School of Public Health
Hazardous Waste Management

Christopher D. Zevitas
Environmental Engineer

Solid Waste Management

Zachary D. Zevitas
Instructor of Environmental Management
Harvard University Extension School

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The Need For Better Risk Communication

David Ropeik
End of Presentation
Thank you for your attention