ES 950 Honors
PRACTICING INTEGRATED ENVIRONMENTAL RESEARCH

Course Overview

This course explores the intellectual and practical challenges of formulating integrated environmental research. Its centerpiece is your individual, independent research project. Throughout the semester, we will examine the core theoretical and methodological tools that allow environmental studies researchers to think and work in a way that integrates analytics from the biophysical and social sciences.

Specifically, we will address the following questions:

What is the difference between problem formulation and problem-solving? How do different epistemologies condition specific ways of ‘seeing’ and identifying environmental problems?

How do specific methodological approaches enable or constrain particular kinds of environmental knowledge?

What dimensions of the social and natural world do specific epistemologies foreground and background?

You will formulate a clear research question, relate it to major academic literature, and develop, pursue, and complete a comprehensive and appropriate integrated research strategy for addressing that question – your honors thesis in environmental studies.

Evaluation

1. Attendance and Active Class Participation (20%)
2. Précis work (20%)
3. Final Honors Thesis (30%)
4. Final Presentation (20%)
5. IRB exam (10%)

Class Format: Seminar

We meet on Wednesdays. Attendance and participation are mandatory for all sessions. This will ensure that you get the most out of the lecture content and the readings. All class content will be clarified through guided and informal discussion, and course participants will take turns leading discussion. We will also use class time to explore data, to develop research skills, and to learn from one another.

Course Commitments

- Mutual respect: careful listening and active discussion with everyone in the class. We’re in this together, and we all have things to learn and things to teach.
- Careful and thorough engagement with course materials is the only way to get the most out of the class.
- Clear communication regarding unavoidable absences or incomplete work: If anything (e.g., religious observance, family duties, illness) hinders your participation in this course, please speak with me in advance of a necessary absence.
- Unexcused absences adversely affect your grade. This is in fairness to your colleagues.
- Give credit where credit is due: plagiarism is a serious offense. We check all work to be sure it is original and your own. It’s not worth the risk.
- No electronic devices (cell phones or laptops) should be used in class unless you are giving a presentation.
- No food is permitted in class unless you are sharing it with everyone.
- Please be patient with e-mail. I try to respond to class e-mail within 24 hours, but this cannot always be guaranteed. My response time will be slower on weekends and may sometimes exceed 24 hours. Your best bet: speak to me directly before, or just after, a class meeting. Plan ahead so that you can avoid email as a medium for dealing with questions that require immediate attention or detailed conversation.
Major Due Dates

- Precis papers: as indicated on syllabus
- Final Presentations Begin: April 28
- Final Thesis: May 15

*Please note that to assure fairness in grading, late assignments are never accepted.*

HONOR CODE AND ABILITIES

All written work in this course must be original and composed exclusively by you, the author. You must acknowledge in writing any assistance you receive from published or unpublished literature, other students, textbooks, the internet, or any other source. Plagiarism is a serious offense and will be immediately referred to the Dean’s office.

Academic accommodations are available to any student with a chronic, psychological, visual, mobility, learning disability, or who is deaf or hard of hearing. Students should please register with the Moses Center for Students with Disabilities at 212-998-4980. NYU’s Henry and Lucy Moses Center for Students with Disabilities /726 Broadway, 2nd Floor /New York, NY 10003-6675 /Telephone: 212-998-4980 / Voice/TTY Fax: 212-995-4114 / Web site: [http://www.nyu.edu/csd](http://www.nyu.edu/csd)

Readings

All readings are available through Classes, Bobst Library, and the NYU Bookstore. You are required to read assigned texts **before class, by the day they are listed on the syllabus.** The Classes site will be the most updated resource for weekly readings, assignments, and other materials.

Précis papers, Class discussions, and Participation

In the first half of the semester, you will prepare a short (3-page) précis of the specific week's readings, and come prepared to lead a substantive class discussion on the key issues the readings raise. Your précis will be posted to Classes before class meets, and will be available to the entire class. A précis addresses the following:

1. How did the author formulate the core question in this article?
2. What is the author's core argument, and why does this argument matter?
3. What forms of evidence does the author use to substantiate this argument?
4. What forms of evidence are missing? What questions does this argument raise?
5. How can you connect this reading to other readings and guiding questions for the course? Why is this connection significant?

*Note that "how to" readings that discuss specific methods should be addressed as follows:*

1. What is the methodological technique -- in your own words?
2. What dimensions of the human ecosystem is this methodological technique best suited to addressing?
3. What kinds of data/ways of knowing and understanding social-environmental change does this methodological technique inform?
Weekly Schedule

Jan 29: The Challenge of Studying Complex Environmental Systems


Read these pieces, and prepare a statement of the general research topic you intend to investigate for your Honors Thesis. What forms of disciplinary expertise do you intend to draw from? In what ways is the research you envision integrative? What is the scale at which you intend to gather and analyze data? Remember that primary research addresses “how” and “why” questions. The “what” questions are answered in order to provide the background knowledge you need to undertake responsible primary research. Your statement will be uploaded to a Classes file by 5pm on Monday, Feb 3. Note that you will also be preparing précis essays for next week’s class.

Feb 5: Formulating a Research Question, Exploring the Facets of your Topic


Anand and Rademacher. Scale and History in the Urban Age. Antipode

Prepare a précis for two of the three articles above. Come to class prepared to discuss all four, as methodological guides and as ways of thinking about your own research topic differently. Your précis papers for the Feb 5 class are due to Classes by 5pm on Monday, Feb 3. Likewise, prepare a précis for one of the Dove and Kammen chapters OR the Huang et al paper required for Feb 12. Upload this précis by 5pm on Monday, Feb 10. Come to class on Feb 12 prepared to discuss all readings.

Feb 12: Conceptualizing Integrated Research: Formulating a Question is Harder than it Sounds


Babbie, Earl. The Practice of Social Research. Chapter 5: Conceptualization, Operationalization, Measurement.


In addition: write your research question, as you understand it at present. Sketch out the “what” dimensions of your topic, and then specify the “how” or “why” question that drives your research. Remember that a good research question usually prompts sub-questions that move from general (the question) to more specific (the sub-questions). Bring this to class and be prepared to present and discuss it. For next week: prepare a summary of assigned readings for Feb 19, and upload it to the folder on our Classes site by 5pm Feb 17.
Feb 19: How do I answer my “what” questions? Library Research Day **We will meet at Bobst**

Kanazawa. Research Methods for Environmental Studies. Chapters 3-8, Available to read online via Bobst.

Boellsdorf. 10 Myths about Ethnography.

+ following our library session, conduct one full week of review of available archival papers on your topic.
By Next Wednesday, you are required to submit an annotated bibliography of 3 peer reviewed sources that are relevant to your topic.

Feb 26: Crafting an Integrative Strategy


For today’s class, come prepared to sketch out a methodological design that follows from your research question and a week of archival work. We will do this exercise together, in class.

March 4: Individual Consultations and Independent Research

Today each of you will have a one-on-one consultation with the professor, and you are strongly encouraged to devote the rest of the class period to undertaking the research for your thesis. You may also choose to schedule time with your faculty advisor at this stage…remember that you are required to meet with your advisor before Spring Break begins, and provide a confirmation of that meeting.

For next time: prepare a statement about the various ethnical considerations that your research raises. Bring the statement to class with you, in a condition that is suitable to present and share with your colleagues.

March 11: the Position and Responsibilities of the Researcher

https://www.nyu.edu/research/resources-and-support-offices/getting-started-withyourresearch/human-subjects-research/tutorial.html

https://about.citiprogram.org/en/homepage/

Schep-Hughes, N. The Primacy of the Ethical. Current Anthropology 36: 3.

For next time: Select two scholarly papers from your own research that pose what you regard to be a strong research question and an integrated methodological design. Prepare a brief presentation about these papers: what makes them a good example of ES research? Bring the presentation to class with you, in a condition that is suitable share with your colleagues.

March 25: Career Event with Corrine Newsome

Dr. Newsome will discuss her work on inclusion in conservation biology, and her career path.

For next week: prepare a summary of assigned readings for April 1, and upload it to the folder on our Classes site by 5pm on Monday March 30.
April 1: Analytical Strategies and Making Claims


For next time: Select two scholarly papers from your own research that pose what you regard to be a strong analysis based on the research question. Prepare a brief presentation about these papers: what makes them a good example of ES research? Bring the presentation to class with you, in a condition that is suitable share with your colleagues.

April 8: Environmental Data and Statistical Analysis


April 15: Translating, Communicating, and Presenting Research Findings

Readings TBA

April 22: Individual Consultations and finalizing your presentation for April 29

**April 29: Presentations, open to the ES and non-ES faculty community.

May 6: Final thesis is due in Class.