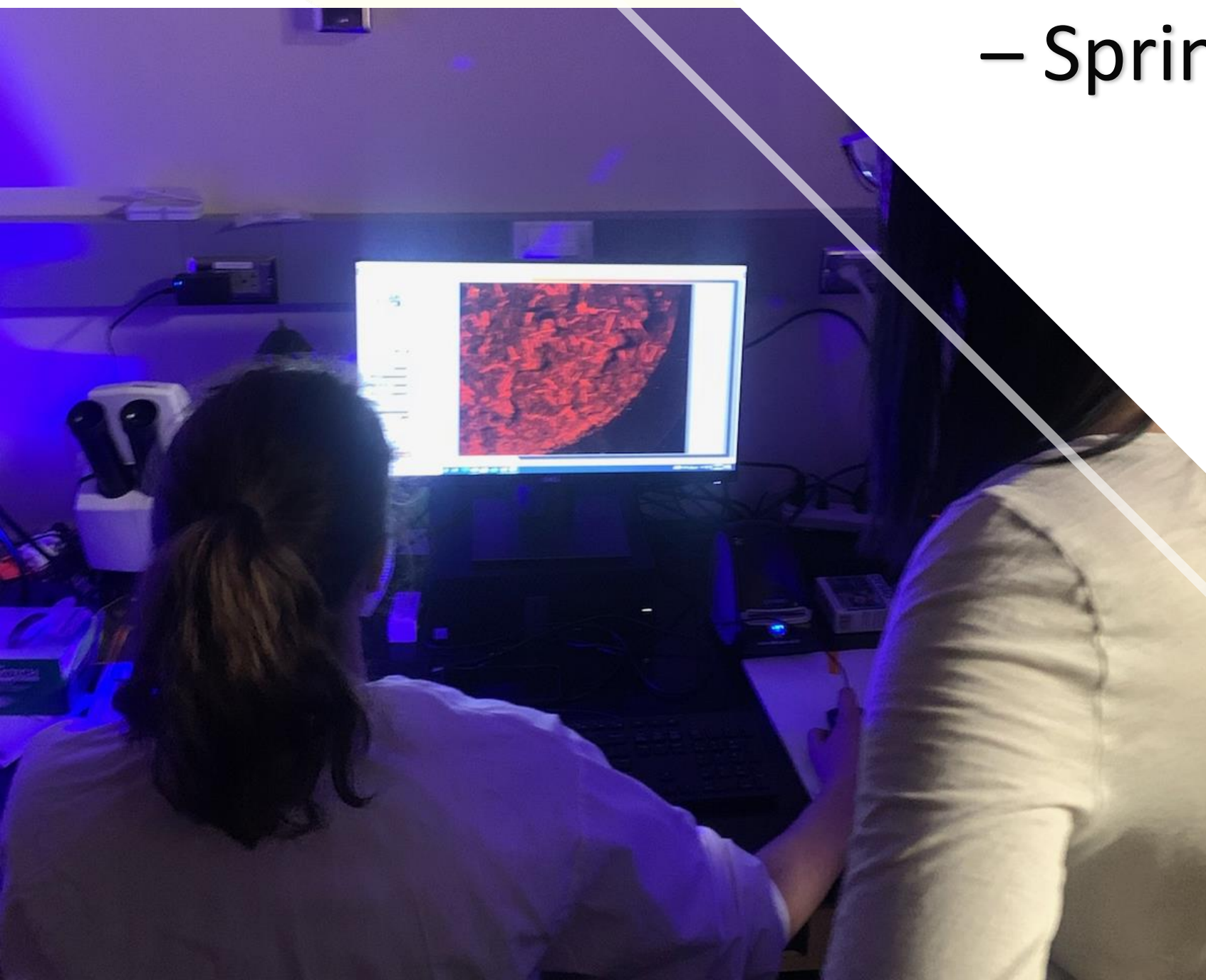




ENVS Courses – Spring 2023



Advising and Registration

- ➔ ADVISING appointments
Oct 17 – Oct 31... *please sign up EARLY!!*
- ➔ ON-LINE REGISTRATION begins **Nov 1**
Come prepared to advising appointments
- ➔ Check out the “For Current Students” section of the ENVIS website for FAQs



ENVS 104

Gardening Principles & Practices

- ⇒ Anne Stork
- ⇒ Spring Semester Block II
- ⇒ Fridays 10am-noon
- ⇒ 1 credit, pass/fail

Learn outdoors in the organic gardens: work with soil and crops using regenerative agriculture principles.



ENVS 112

Sustainability Principles & Practices

- ⇒ Paula Turkon
- ⇒ MWF 2-2:50 pm
or 3-3:50 pm
- 3 credits



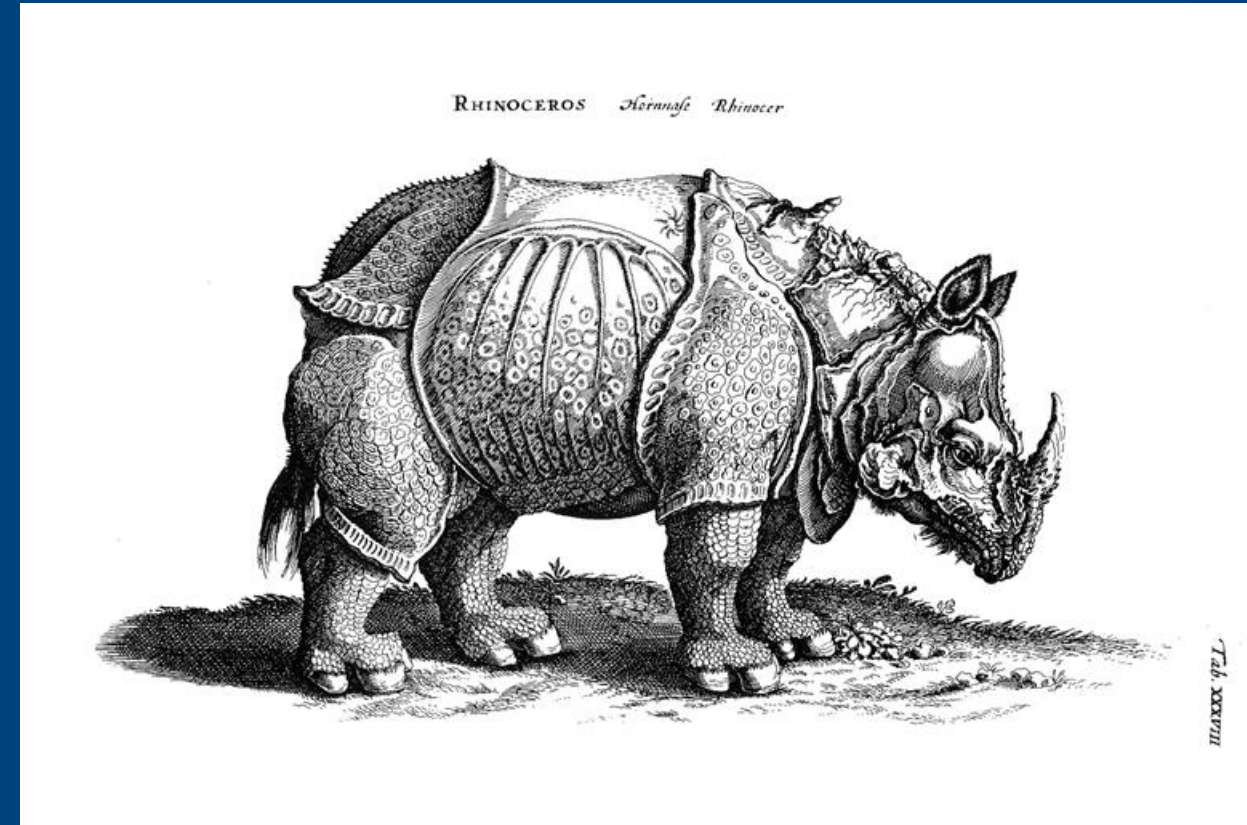
- ⇒ *Does not fulfill ENVS major requirements*

- ✱ Uses systems thinking approaches to examine the connection between four primary components of sustainability: *economic, environmental, social equity, and health.*
- ✱ Students will learn about sustainability practices on campus and in the community and propose sustainable solutions for various scenarios.

ENVS 119

Intro to Environmental Humanities

- Michael Smith
- Section 01-TR 8 to 9:15 am
Lab M 9 to 9:50 am OR
- Section 02-MW 4 to 5:15
pm with Lab on F 9 to 9:50
am
- 4 credits
 - In this interdisciplinary course, we use the various humanities disciplines (literature, history, ethics, religion, art history) as lenses for examining human-environment interactions. How do human values shape our perceptions of and actions toward the world around us? How do we call upon these values and assumptions to tell stories about the world around us?



ENVS 121

Introduction to Environmental Science

- ➔ Anne Stork
- ➔ TR 9:25-10:40 + lab
T or R 1 to 3:50 PM
- ➔ 4 credits
- ➔ Required for all
ENVS majors!



We will use scientific principles to investigate the causes and solutions of a variety of environmental issues such as coral bleaching, ocean acidification, bioaccumulation of toxins, dead zones, impacts of invasive species on biodiversity and ozone effects on vegetation.

ENVS 147 ~Time to Act: The Science and Politics of Climate Change

⇒ Eric Leibensperger

⇒ Feel free to write with any questions!

⇒ TR 1:10-2:25 pm

⇒ 3 credits; ICC Natural Science – III, QSF

Science tells us that climate change is here and that the time to act is now. How do we know? What does the future hold? Who should bear the cost of adaptation + mitigation? This course provides an overview of climate change, including an introduction to climate science, energy systems, policy actions and options, climate skepticism and activism, and climate justice.

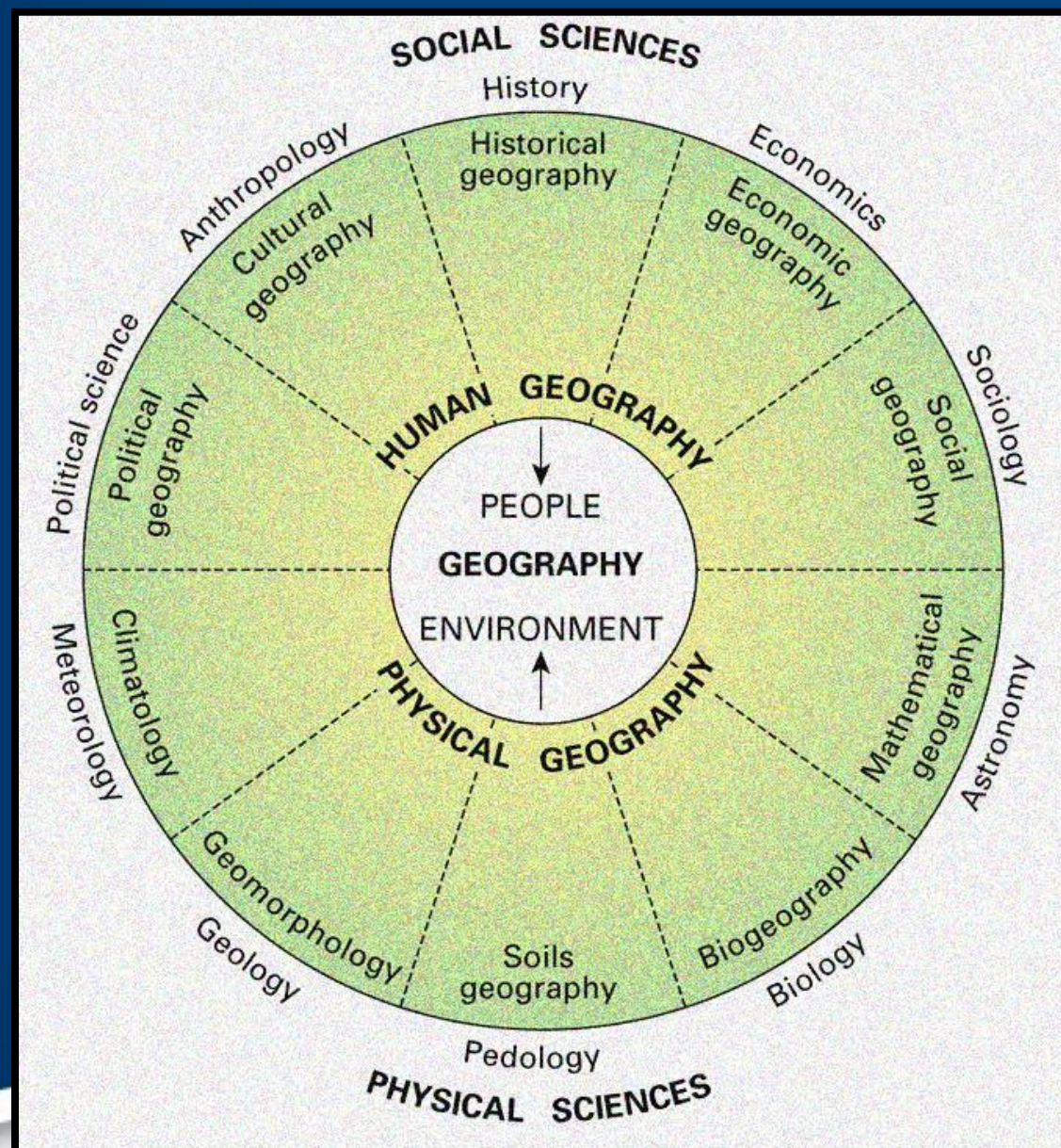


My research politicized out of context!

ENVS 220

Human-Environment Geography

- ➔ Jake Brenner
- ➔ MWF 11-11:50 am *or* 12-12:50 pm
- ➔ 3 credits
- ➔ Prerequisite: Sophomore standing
- ➔ *Required for Environmental Studies majors (and Environmental Science majors joining Fall 2023)*



Learn about well-known environmental issues in terms of:

- ❖ Space
- ❖ Place
- ❖ Scale
- ❖ Globalization

History of American Environmental Thought (ENVS/HIST 270)

Michael Smith
TR 10:50-12:05 PM
3 Credits

Course Format: Reading, discussion, some lecture, several papers, local environmental history rsch. project.

- ✿ ***Environmental History—What Is It?:*** illuminate the interplay between human history and natural history, examining many of the permutations of “nature’s role in American history.”
- ✿ ***Cultural Constructions of Nature:*** illuminate the ways in which Americans’ *thinking* about nature and the environment has changed during the past several centuries, exploring the ways Americans have projected human values onto nature; e.g., why some people have described the forests as sanctuaries and others have described them as “board feet.”
- ✿ ***Doing History:*** how do historians look at sources from the past (including the landscape) and use them to tell a story that both makes sense and is well-supported by the sources.

ECON 28100~Environmental Economics

Bill Kolberg Feel free to contact me with questions!

TR 1:10 to 2:25 pm, 3 credits; kolberg@ithaca.edu

This year we will focus on the economics of climate change. We will build a simulation model of world primary energy market activity 2010-2100. Sectors include oil, natural gas, coal, uranium, and renewables: solar, wind, geothermal energy. Our focus will be on world emissions of CO₂, and resulting climate impacts. Our market analysis will draw on Principles of Microeconomics, and possible future economic growth scenarios of the Shared Socio-economic Pathways (SSP's) developed by the U.N. Inter-governmental Panel on Climate Change. The model will be used to contrast "business as usual" current policy with a variety of policy alternatives individually or in concert: carbon taxes, subsidies on renewables, carbon capture, and a variety of supply (limitation) policies. The model building and analysis process is designed to bring to focus critical issues tied to "The Great Transformation".

New Course!

ENVS 333: International Environmental Policy

- ➔ Marc Anthonisen
- ➔ MWF 10-10:50 AM
- ➔ 3 credits



- ✿ International frameworks for Climate Change, Environment, Oceans, and Biodiversity
 - Debrief on COP 27 (Egypt) and IPCC Assessment Report 6
 - Deep dives on China, Brazil, India and other countries
 - International Disaster Policy
 - Focus on developing policy writing and communication skills

ENVS 351

Farming the Forest: Non-Timber Forest Products



- ⇒ Jason Hamilton
- ⇒ 4 credits
- ⇒ W 1:10 to 3:50 pm
- ✿ Prereqs: two ENVS courses; or permission of instructor
- ✿ Hands-on, learning-by-doing course where students will explore forest management and work w/student-run non-timber products micro-enterprises.

ENVS 41000

Mammals of the Northeast: Track, Sign, Habitat, and Behavior



- ⇒ Jason Hamilton
- ⇒ TR 10:50 – 12:05 pm
- ⇒ Lab: T 1:10 to 3:50 pm
- ⇒ 4 credits

Advanced ENVS elective, Tools, Restricted Science
Elective

ENVS 475 – Advanced Environmental Seminar

- ➡ Jason Hamilton
- ➡ M 12 to 12:50 pm
- ➡ Full Semester
- ➡ 1 credit
- ➡ *Required of all seniors!*
- ➡ Finish the ICC!!!
- ➡ Prepare for the future. . .

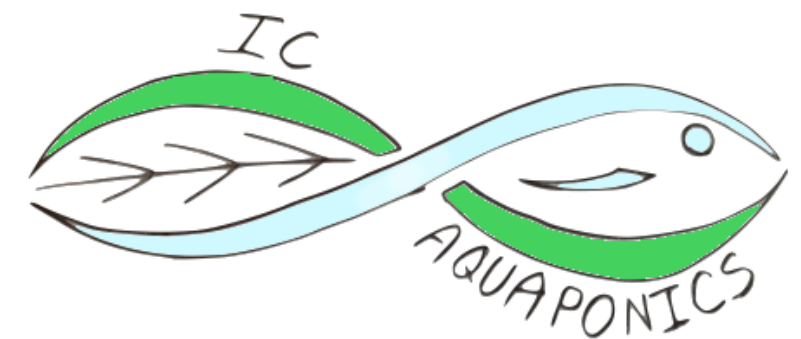


Research, Independent Study & Internships

ENVS 201, 301, 402, 490 and 495

Many opportunities available

Contact faculty member directly
if you're interested.



Hemp Research Team

Interested in learning how to grow plants for fiber? Join us as we explore how to grow hemp and kenaf to produce fibers for textiles, paper and more.

- All are welcome!
- Contact Anne Stork, astork@ithaca.edu



Fig. 4- This is the Kenaf at 45 days old and had an average height of 44 cm tall. Ithaca College, 2021

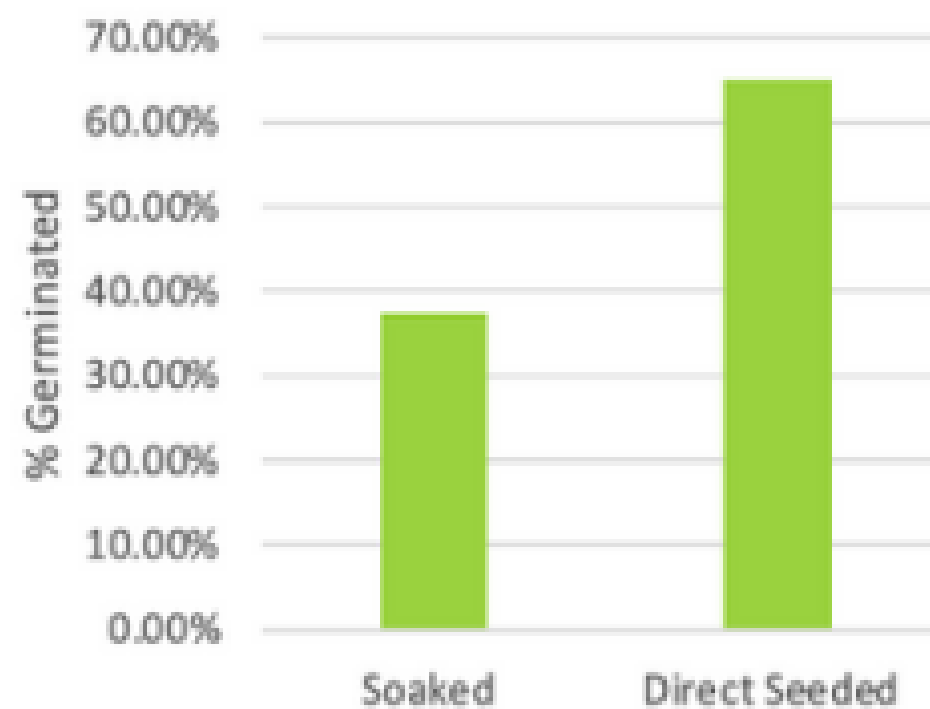


Fig. 2 -Germination Rate of Hemp Seeds Soaked for 24hr vs Directly Planted



Apiary Management and Outreach Team

- Deepen your experience and skills with Honey Bees and Native Bees
- Work with the IC Apiary and Native Bee Garden
- Learn skills in agricultural extension and technology transfer
- Register for ENVS 201, 301, or 402
- contact Jason Hamilton for permission.

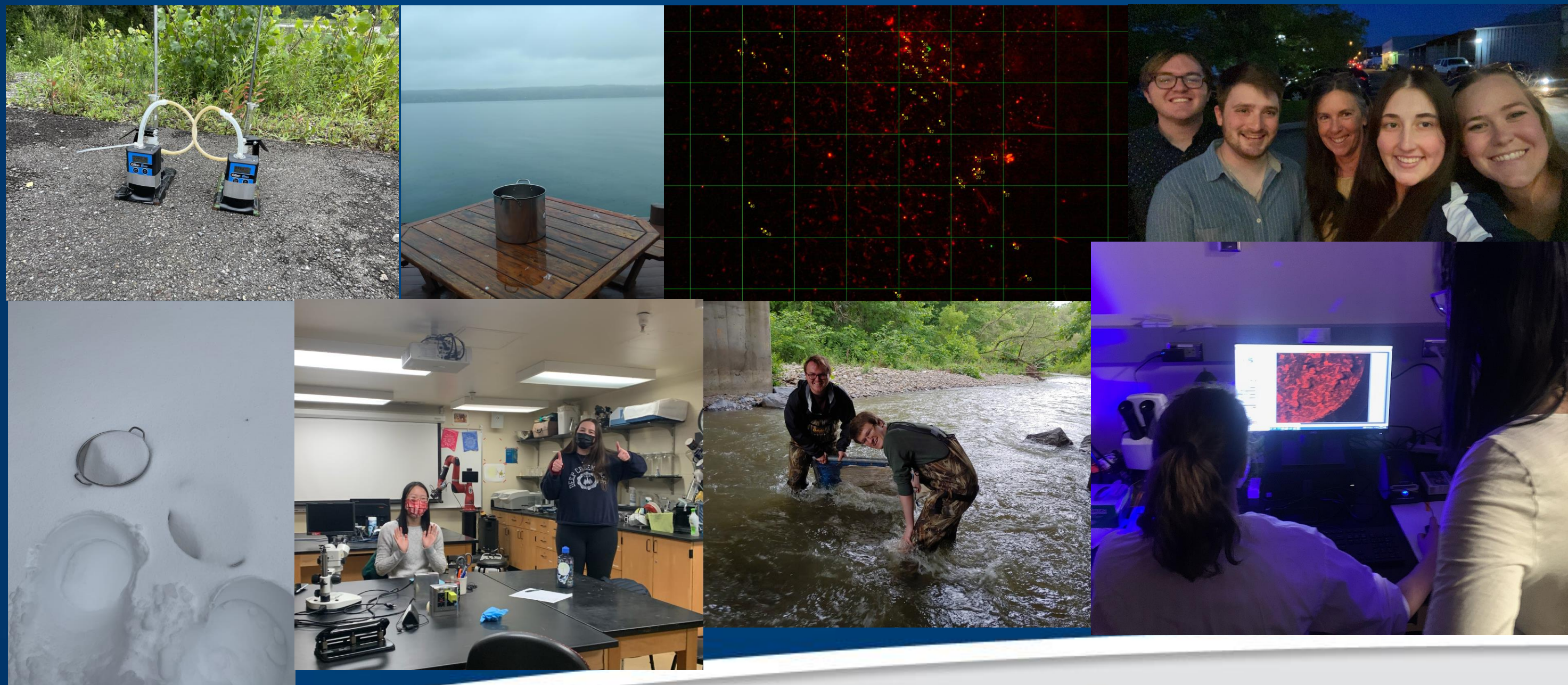




IC ToxLab for Fall 23



- Are you interested in gaining experience in collecting field samples, learning laboratory skills, becoming savvy in data analysis, and developing outreach messaging?
- ICToxLab may be the place for you!
- Contact Susan Allen (sallen@ithaca.edu)



Student Land Stewardship Program

- Hands-on work on ICNL (Ithaca College Natural Lands)
- Learn principles and practices of land management
- No experience required - *everyone* welcome
- Register for ENVS 201 or 301 (1-3 credits)
- Contact Jake Brenner for permission to enroll



Coming in Fall 2023!

Winter Session 2023

- Craig Duncan
- Online; asynchronous
- Environmental Ethics
- ENVS 25200 for 3 credits
- Description: Environmental Ethics is a critical examination of moral problems associated with humanity's effects on the environment. We will explore questions regarding the moral status of animals and questions associated with global warming and sustainability and how these intersect with economic policy. These issues generate challenging and fundamental questions



Courses in our Fellow Departments



Spring'23 Courses from Other Depts (Some of the Many Options)

➤ Social Science Electives:

- POLT 370 US Poverty & Public Policy, T/Th 4:00
- SOCI 208 Sociology T/Th 1:10 or 9:25 am

➤ History Electives:

- HIST/ENVS 270 Hist of American Thought T/TH 10:50

➤ Tools/Skills Courses

- ANTH 302 Ethnographic Field Methods T/Th 2:35
- CMST 115 Business and Professional Communication T/TH 9:25
- COMP 105 Intro to Website Development MWF 10 am
- MATH 144 Statistics for Business MWF 9 or 1 or 2

➤ Env Sci STEM courses

- BIOL 227 Genetics T 1 pm
- CHEM 232 Quantitative Chemistry MWF 9 am

❑ Other courses of Interest

- CNPH 220 Cinematic Currents: FLEFF and the History of Film Festivals W 6:50 to 10:10 pm

MATH 16500

Quantifying Sustainability

- ➔ Aaron Weinberg: aweinberg@ithaca.edu
- ➔ MWF 9 to 9:50 AM
- ➔ How do we meet the needs of the present without compromising the ability of future generations to meet their own needs? This is the fundamental question of sustainability. Quantitative information is a key component to understanding the problems and solutions available. In this class, we'll use simple mathematical tools to help understand the issues, make more informed personal choices and weigh in on society wide policy.



CHEM 121

Principles of Chemistry

- Andrew Torelli
- Meets MWF 9-9:50 AM plus co-requisite lab CHEM 12200 on R 1:10-3:40pm
- 4 cred
- Required for Env Science majors



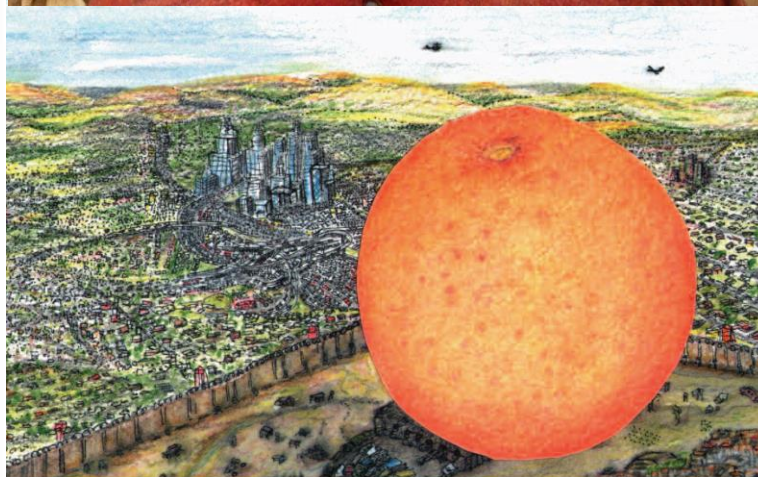
ART 141 ~ Intro Painting: Wilderness to Wasteland

➔ Department of Art, Art History, and
Architecture

- ➔ TR 1:10-3:50 pm
- ➔ 3 cr.; ICC Creative Arts (CA) – Sustainable Future (TQSF)
- ➔ This course teaches observational oil painting skills as a way to reflect on our cultural and personal relationship to the environment. Students will be guided in creating paintings that communicate the complexity of environmental issues today. Consideration given to the genre of landscape painting and how representations of nature in painting have come to shape how we conceive of sustainability.



The **Last
Black Man**
in
**San
Francisco**



TROPIC OF
ORANGE

KAREN TEI YAMASHITA

CSCR 27100~ Race, The City, and Environmental Justice

- ➔ Mika Kennedy (mkennedy3@ithaca.edu)
- ➔ TR 1:10-2:25 pm
- ➔ 3 credits

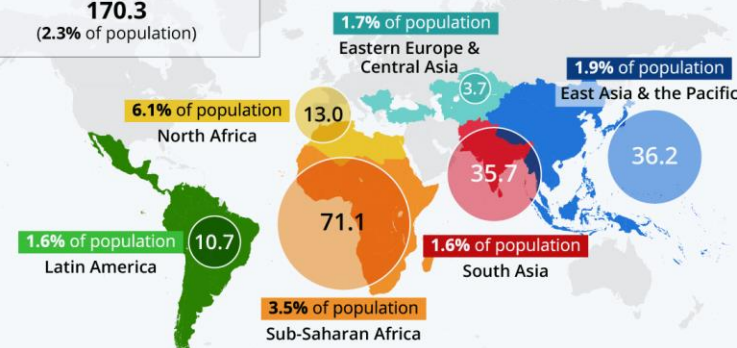
When people say “nature” or “environment,” they often mean “the wild.” But what about the air, water, and land within the city limits? What about humans, and the human-made? Take a walk on the city-side and explore issues of environmental justice in U.S. fiction, poetry, and film: Urbanization and urban decay; gentrification and dispossession; infrastructure and natural disasters; and, importantly, how ideas of race create--and are created by--the environment of the city itself.

Climate Change, the Great Displacer

Average number of internal climate migrants
by 2050 per region (in millions)*



Total in surveyed regions
170.3
(2.3% of population)



* Modeled on pessimistic reference = High emission & unequal development scenarios concerning water availability, crop productivity and sea-level rise
Source: World Bank



statista



POLT 33500 ~ Crossing Borders/Global Migration

⇒ Prof. Lady Ajayi

⇒ TR 9:25-10:40 am

⇒ 3 credits; ICC Liberal Arts – ABSS, AN3

Climate change is one of the root causes of cross-border migration, a major issue in international relations. The World Bank in 2018 estimated that sub-Saharan Africa, Latin America, and Southeast Asia will generate about 143 million more climate migrants by 2050.

This course identifies trends and complexities in global migrations with a historical understanding of how and why migrants move and how nation-states have developed a precedent for inclusion and exclusion based on who has the potential to 'belong' as a participating citizen. Students are expected to deliberately explore avenues by which policies can give voice to the vulnerable and provide seats at the table, especially for those who have been and continue to suffer devastating consequences of insecurities in migration as the result of climate change.

