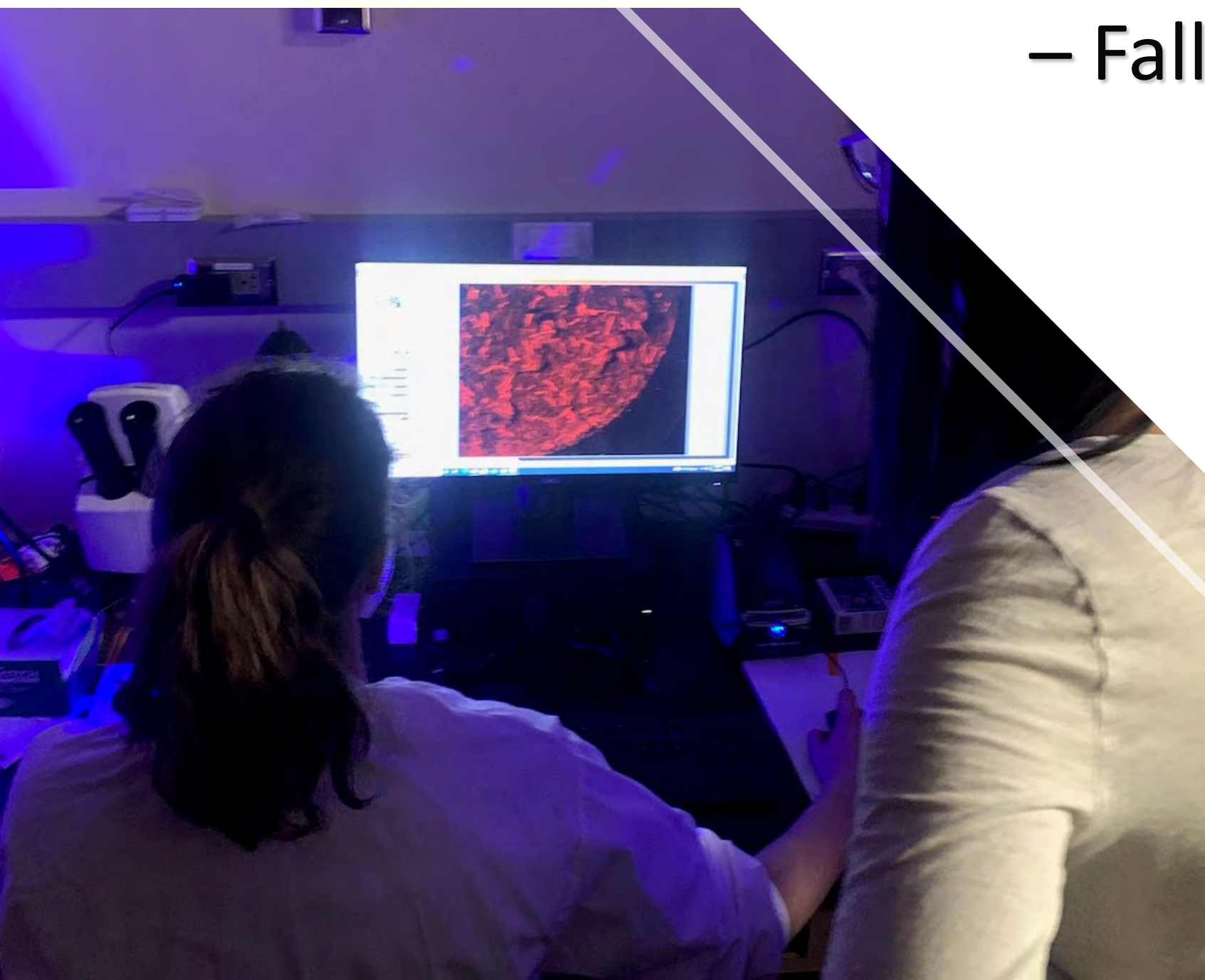




# ENVS Courses – Fall 2022





# Announcements I

- ⇒ **ADVISING** – appointments March 30 to April 11
- ⇒ **Fall 2022 Course Registration begins April 12**

- \* Sophomores should submit CLA forms before end of the semester.
- \* Process for registering for **Envir. Research** classes – Reach out to the faculty member you would like to do research with and have a discussion.

## \* CULTURAL IMMERSION

- ⇒ Requirement **suspended** for all current students
- ⇒ *Work with your adviser to file a waiver*

# Announcements II

⇒ *ENVS Banquet and Senior Stories:*

⇒ *April 27*

⇒ *5 to 8 pm*

⇒ *Clark Lounge Campus Center*





# Staples Internship Funding Opportunity

- The Sustainability Internship Funding Opportunity (SIFO) provides funding to Ithaca College students to pursue an off-campus internship experience during the summer that do not provide funding.
- Stipend of \$5000 for a full time position (37 hrs/10 wks) or \$2500 for part-time (18 hrs/week for 10 wks)
- Presentation requirement in the fall after internship
- Deadline: Application materials submitted electronically by April 15, 2022 to Anne (astork@ithaca.edu)
- Application:
  - Resume
  - Cover Letter to SIFO
  - Cover Letter to Host Organization
  - Supervisor support letter (including statement that internship is unpaid)



# ENVS 104

## Gardening Principles & Practices

- ➔ Anne Stork
- ➔ Fall Semester Block I
- ➔ Fridays 10am-noon
- ➔ 1 credit, pass/fail

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





# ENVS 110: The Environmental Crisis

⇒ Jake Brenner

⇒ MWF 10-10:50 am or 11-11:50am

⇒ 3 credits

⇒ ICC Themes:

⇒ Quest Sustainable Future

⇒ World of Systems

⇒ ICC Perspectives:

⇒ Natural Sciences

⇒ Social Sciences

❖ Primarily for non-majors, but all are welcome.





# ENVS 120

## Environmental Sentinels

- ➔ Anne Stork and Jason Hamilton,
- ➔ T *or* R afternoon  
12:15-3:50
- ➔ 4 credits
- ➔ **Required for all majors**
- \* Learn to truly experience the world around us with all your senses, and gain an appreciation of the plants, mammals, birds, ecological indicators, and natural hazards in our area. *Lots of "dirt time!"*





# ENVS 175

## Intro Environmental Seminar

- ⇒ Jason Hamilton
- ⇒ Mon 1-1:50 pm
- ⇒ 1 credit, P/F only
- ⇒ **Required for all majors and recommended for minors**
- \* Exposes students to environmentally relevant research, examples of careers in the environmental field, and opportunities to meet local and regional professionals
- \* For incoming freshmen and transfers into the department





# ENVS 213

## US Environmental Policy



- ⇒ TBA
- ⇒ MWF 11 to 11:50 am or 12 to 12:50 pm
- ⇒ 3 credits
- ⇒ Fulfills 200 level or Policy elective

- Environmental values
- Policy concepts: issue framing, pluralism, agenda-setting, policy streams, windows of opportunity, regulatory capture, revolving door
- Federal laws and public agencies
- Social, political, and economic context that shapes environmental policy

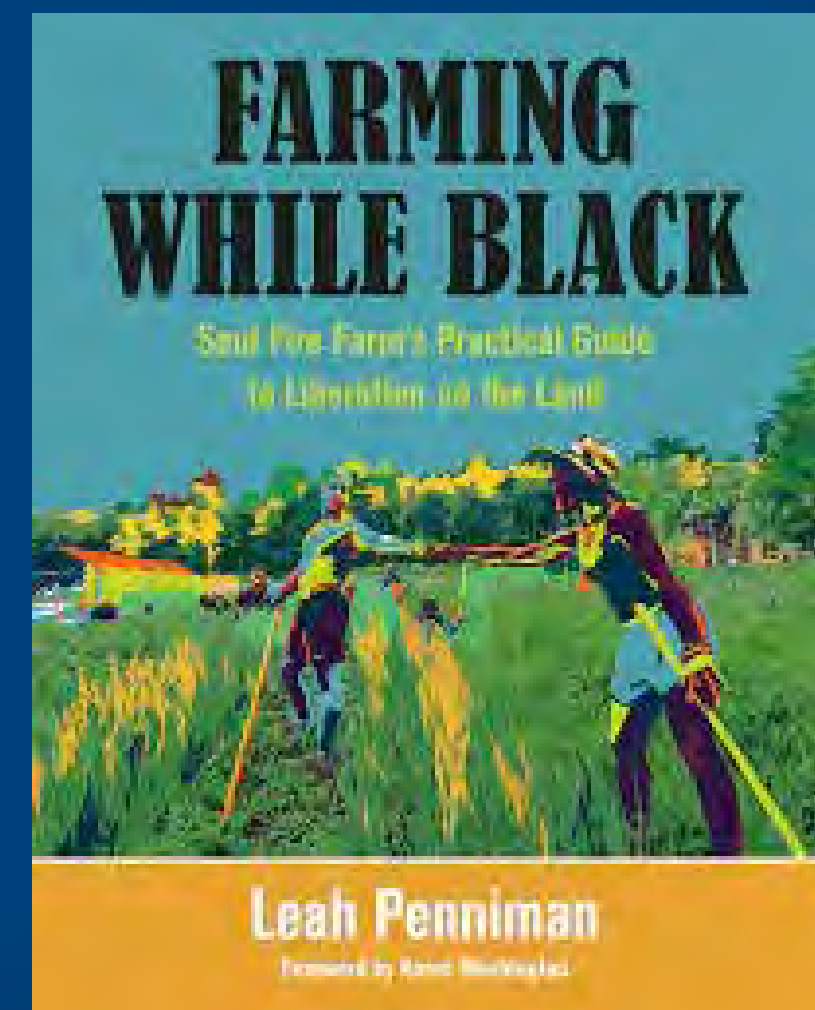
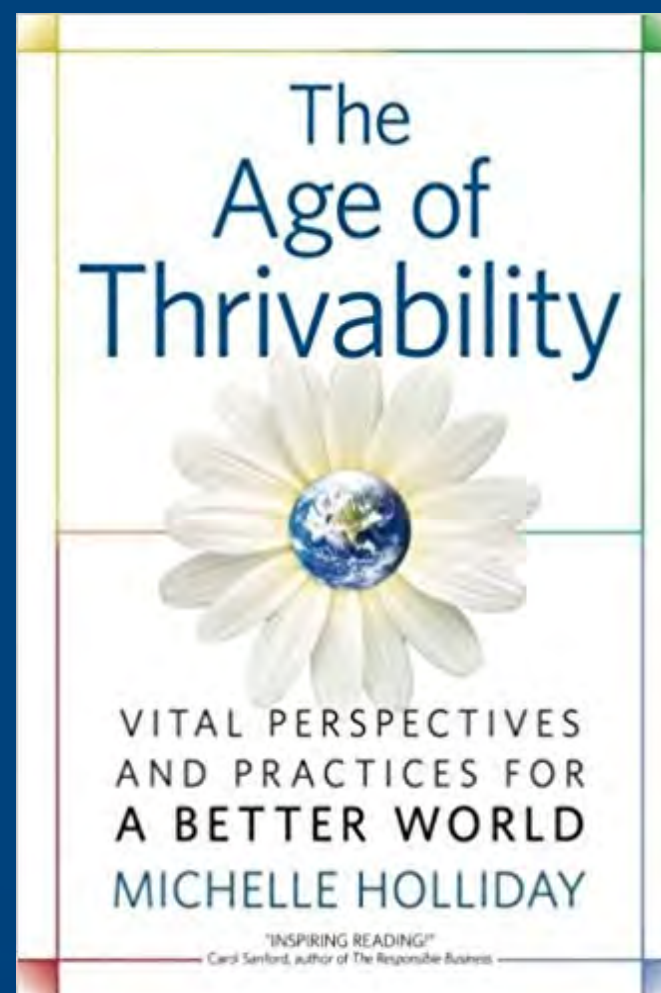


# ENVS 21500

## Thrivable Food Systems

Explore current practices for thriving food systems through field trips, conversations, readings and first-hand experience!

- ➔ Anne Stork
- ➔ TR 9:25 – 10:40 am
- ➔ With lab M 1-3:50
- ➔ 4 credits





# ENVS 24000/ANTH 24000

## Environmental Archaeology: Human Impact of the Past and Present

➔ Paula Turkon

Tues and Thurs: 10:50 to 12:05 pm

Tues Lab: 1 to 3:50 pm

4 credits, SS elective



- \* *Uses a long-term archaeological and cultural lens to examine contemporary human/environment interrelationships.*
- \* *Case studies: Middle East, Amazonia, Mesoamerica, Easter Island/Polynesia, American Southwest.*
- \* *Class: discussion, short synthesis papers, lab projects in climate reconstruction methods and analysis*



# ENVS 26100

## Ecological Applications: Bees



- Field and lab class
- Work directly with bees
- Bee biology and ecology
- Food systems and pollination
- Diseases pests and pesticides
- Honey and other hive products

⇒ Jason Hamilton

⇒ MW 2 to 3:50

⇒ 4 credits

For ENVScience: fulfills restricted science elective

For ENVStudies: fulfills 200-level elective or Tools elective

For ENVS Minors: fulfills intermediate course elective



# ENVS 275

## Intermediate Environ. Seminar

- W 12:00 -12:50pm – Jason Hamilton
- 1 credit
- required for all majors – usually taken sophomore or junior year

*Designed to help steer your studies here, and your career after you graduate!*





# ENVS 292:

## Quantitative Approaches to Environmental Issues

- ➔ Susan Allen
- ➔ MWF 9-9:50 AM
- ➔ 3 credits
- ➔ Prereq: ENVS 121 (ES&T)
- ➔ QL designation
- ➔ Subs for BOTH Calc & Stats



- ✳ Data analysis for objective decision making and policy formulation
- ✳ Research design, big data, graphs, stats, communication of results
- ✳ YOU NEED THIS! Whether you know it or not 😊



# ENVS 34000/34100

## Topics in Pollution

- ⇒ Susan Allen
- ⇒ MWF 11-11:50
- ⇒ 3 credits  
or 4 credits w/  
W 1-3:50 lab



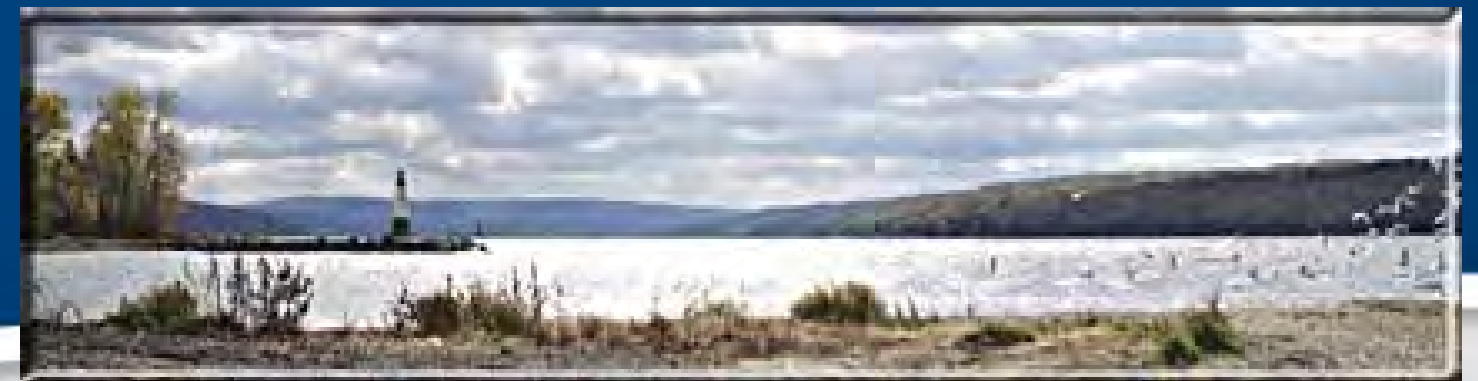
Study the effects of pollutants on everything *but* humans...

*Topics include:*

- \* *Survey of important environmental pollutants*
- \* *Species differences leading to different sensitivities*
- \* *Effects of various pollutants at all levels (from molecular to ecosystem)*
- \* *Case studies of environmental disasters*

*Lab includes:*

- \* *stream and soil surveys*
- \* *fish capture techniques*
- \* *involvement in pharmaceuticals from college to Cayuga Lake*







# Cholera to COVID: A History of Public Health

Jonathan Ablard and  
Stewart Auyash  
HIST/HSHP 235  
TTh 235pm



# HISTORY OF THE FUTURE

## HIST 272—T/H. 10:50 PM

Premise: How past societies imagined their future can reveal a great deal about who they *were*.

### Major Course Topics:

The Climate Crisis & Environmental Futures  
Apocalyptic Visions of the Future  
Utopian Visions of the Future  
History of the Idea of Progress  
Technology and the Future  
Media Depictions of the Future  
The Future Human

Counts as humanities perspective course.





# Fall '22 Courses from Other Depts

## ➤ Social Science Electives:

- POLT 195 Food and Water: Challenges to Sustainability, MWF 1
- POLT 327 Politics of Development T/Th 2:35
- POLT 370 Politics of Wealth and Poverty, T/Th 1:10
- SOC 424 Global Sociology, MWF 2
- PHIL 335 Socialism, Capitalism, Justice T/Th 1:10
- CSCRE 224 Race, Place, and Power MWF 2

## ➤ History Electives:

- HIST 218: Cholera to COVID: a History of Public Health, T/Th 2:35
- HIST 184: The Islands: Caribbean History 1492-Present, T/Th 10:50
- HIST 272: History of the Future T/Th 9:25

## ➤ ENVScience Math and Science Courses:

- BIO 225 The Power of Plants, T/Th 10:50 and T lab 1
- PHYS 243 Sustainable Energy: Powering the World T/Th 1?10, Th lab 1:10

## ➤ Tools/Skills Courses

- WRTG 211 Writing for the Workplace, various sections
- WRTG 213 Technical Writing, T/Th 1:10
- WRTG 317 Proposal and Grant Writing, MWF 11
- MATH 144 Statistics for Business, various
- MATH 145 Statistics for Health, Life, and Social Sciences, various
- MATH 155 Basic Statistical Reasoning, various
- ARTH 233 Great Spaces: Introduction to Urban Design, MWF 10
- RLS 105 Fundamentals of Leadership, T/Th 10:50
- CMST 115 Business and Professional Comumnication T/Th 9:25

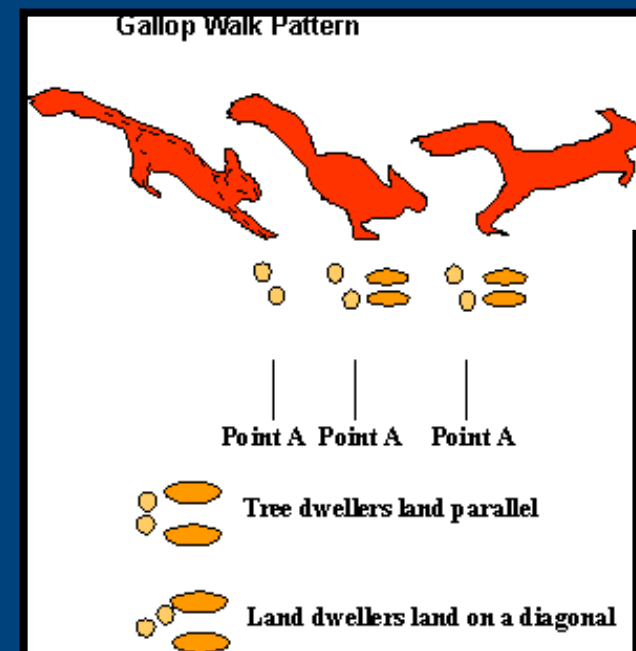


# Maymester Course

May 16~27: MTWRF 10 am~2pm

## ENVS 142 – Wildlife Tracking & Nature Observation

- ⇒ Field-based course combining modern ecology with the skills and knowledge-base of the traditional animal tracker
- ⇒ ICC: Inquiry, Imagination & Innovation and Mind, Body, Spirit and Natural Sciences Perspective designation
- ⇒ Topics include
  - Natural history
  - Clear print track ID
  - Track aging
  - Gait analysis
  - Soil movements
- ⇒ 3 credits, cap of 15
- ⇒ Fulfills tools requirement



Instructor: Jason Hamilton



# Maymester ENVS 104

## Intro to Gardening

- ⇒ Anne Stork
- ⇒ May 16 to 27
- ⇒ MTWRF 10am-11:15 am
- ⇒ 1 credit, pass/fail



We will work in the gardens each day to learn how to grow our own food using regenerative agriculture principles.



# Research, Independent Study & Internships

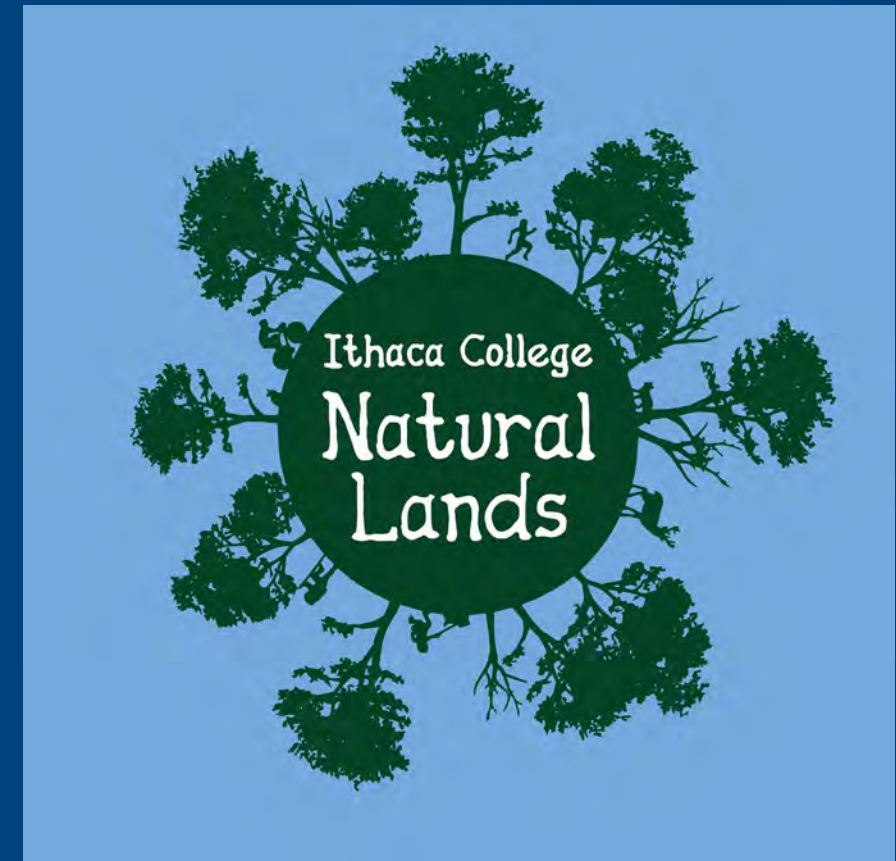
- ➔ ENVS 201 – Envir Research: Intro
- ➔ ENVS 301 – Envir Research: Intermediate
- ➔ ENVS 401 - Envir Research: Advanced
- ➔ ENVS 490 – Envir Independent Study
- ➔ ENVS 495 – Envir Internship





# Student Land Stewardship Program

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



**Meeting time TBD  
(probably Fridays 3:30-5pm)**



# Dendrochronology Research Team

Tree-Ring analysis/ climate reconstruction in northern Mexico-4th c. A.D. to present.

- Requires completion of Fall 2022 class at Cornell, then subsequent semesters as research (course can count toward major)
- Cornell class: ARKEO 3090 Introduction to Dendrochronology.
  - W 12:00 -12:50pm, plus individually scheduled lab time
- Multi-year commitment: Restricted to students who will be sophomores or juniors
- Interested students contact: Paula Turkon [pturkon@ithaca.edu](mailto:pturkon@ithaca.edu)





# Aquaponics Research Team

Collaborative research in indoor food production.

- Possible research topics: education/outreach, food justice, system mechanics, water quality, fish behavior, efficiency, plant growth and health....
- Multi-year commitment: Restricted to students who will be sophomores or juniors
- Contact Paula Turkon, pturkon@ithaca.edu

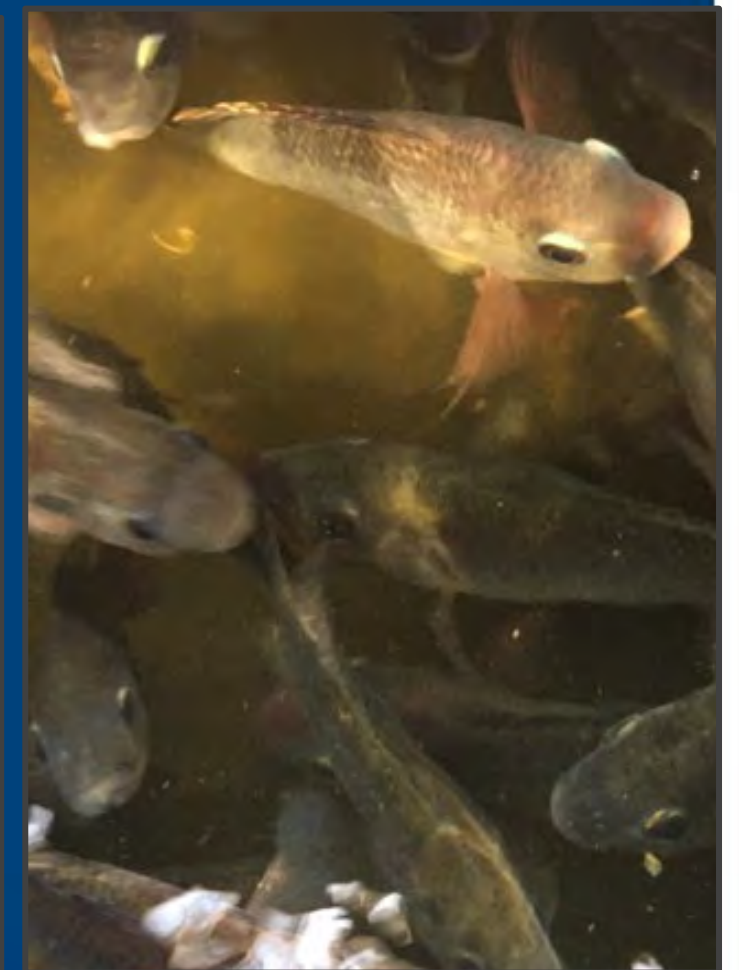


Ithaca  
College  
Aquaponics

@ic\_aquaponics

Assorted  
Herbs

GROWN IN CNS





# 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.





# 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](mailto: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

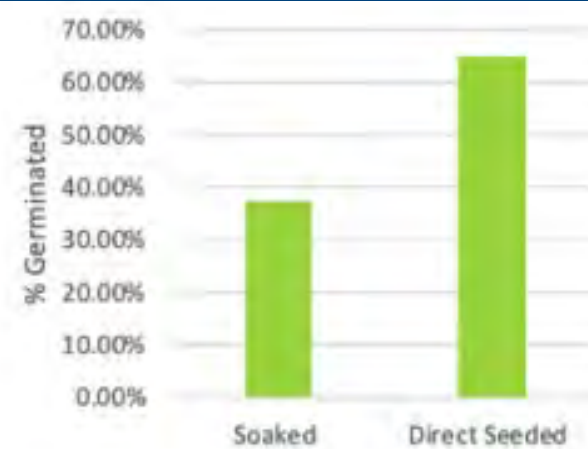


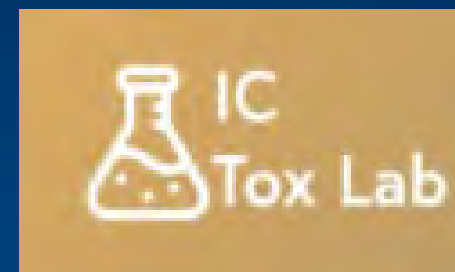
Fig. 2 -Germination Rate of Hemp Seeds Soaked for 24hr vs Directly Planted







# IC ToxLab



- 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](mailto:sallen@ithaca.edu))





