

ENVS Courses Spring 2022



Advising and Registration

- ➔ ADVISING appointments
Oct 18 – Nov 1... *please sign up EARLY!!*
- ➔ ON-LINE REGISTRATION begins **Nov 2**
Come prepared to advising appointments
- ➔ Check out the “For Current Students” section of the ENVIS website for FAQs



ENVS Career and Networking

- Listen to, and network with, a panel of alumni discuss their post-Ithaca College experiences
- How can you make the most of your IC education?
- Get ideas for your own experiences/ internships/ jobs/ post-graduate education
- Opportunity for students to ask questions in Breakout Rooms

Monday, November 15, 6-7:30 pm

<https://ithaca.zoom.us/j/97719465843?pwd=RUh2c0hzUWIDandRelUwRHA4SFhsUT09>

ENVS 104

Gardening Principles & Practices

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

Learning outdoors in the organic and permaculture gardens, this hands-on course will introduce you to working with soil and plants, and to learning how to grow your own food that is friendly to the earth.



If you are interested in being a course assistant for this class please contact Anne at astork@lthaca.edu.

ENVS 110

The Environmental Crisis



➔ Praneeta Mudaliar
and Susan Allen

➔ MWF 10-10:50 or
MWF 1-1:50 pm

➔ 3 credits

- ✿ This course will empower you to be an active participant in the global community
- ✿ It will discuss current environmental issues, including global climate change, air and water pollution, deforestation, energy, waste, and more.

ENVS 112

Sustainability Principles & Practices

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



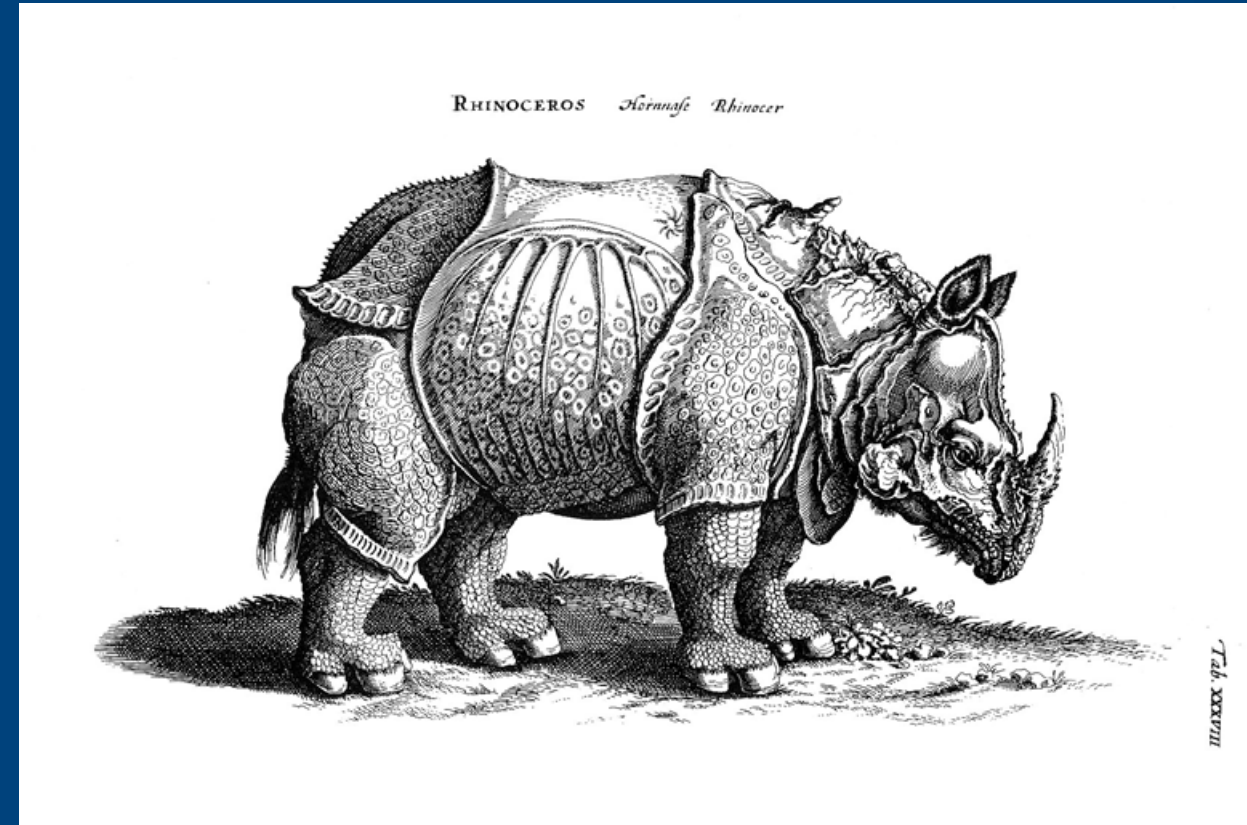
- ⇒ *Does not fulfill ENVS major requirements*

- ✱ 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
- MW 4 to 5:15 pm with Lab
on F 11 to 11:50 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
- ⇒ 4 credits
- ⇒ Required for all ENVS majors!

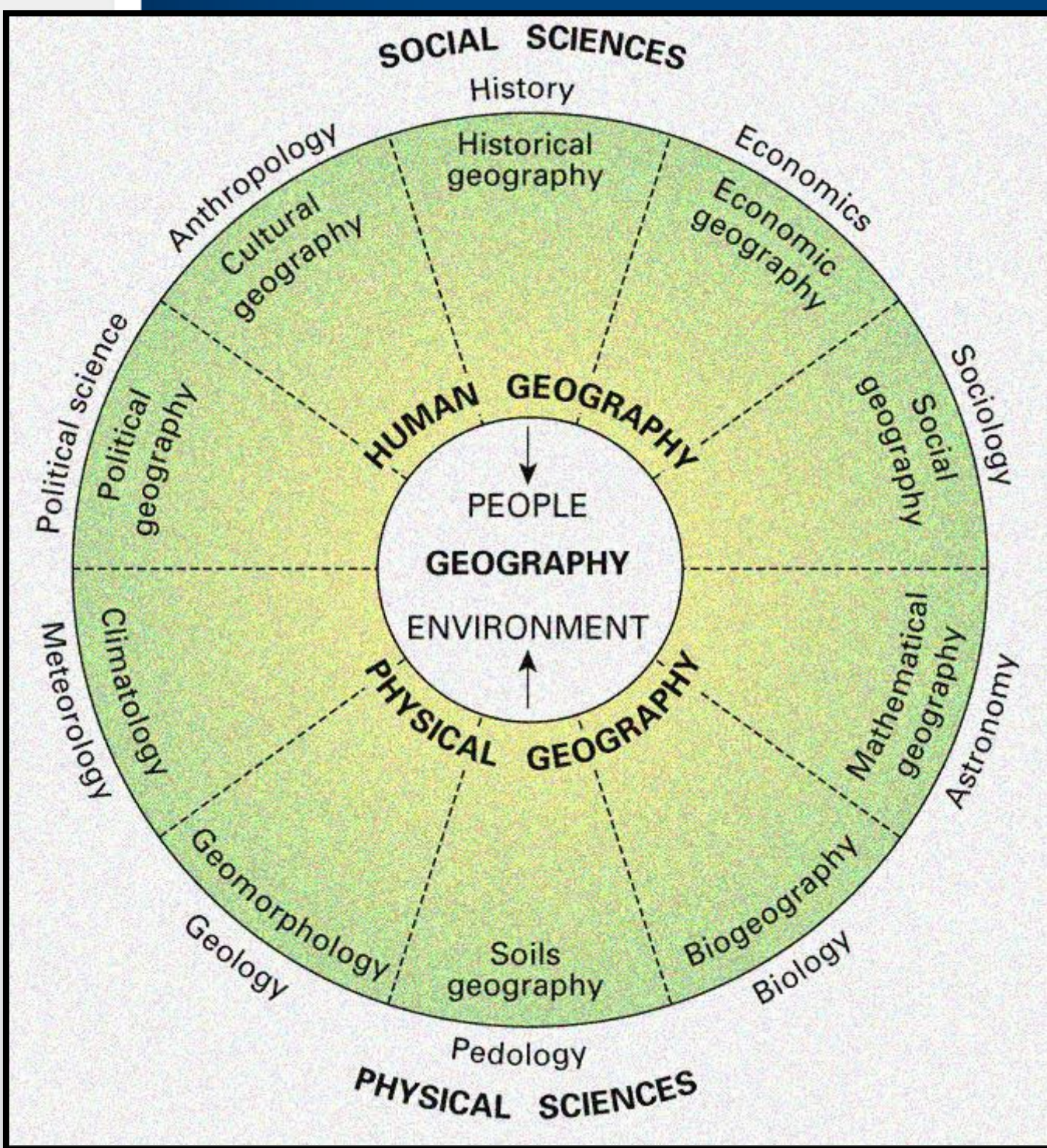


We will use scientific principles to investigate the causes and solutions of a variety of environmental issues such as coral bleaching, ocean acidification, bioaccumulation of toxins, dead zones, impacts of invasive species on biodiversity and ozone effects on vegetation.

ENVS 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*



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.

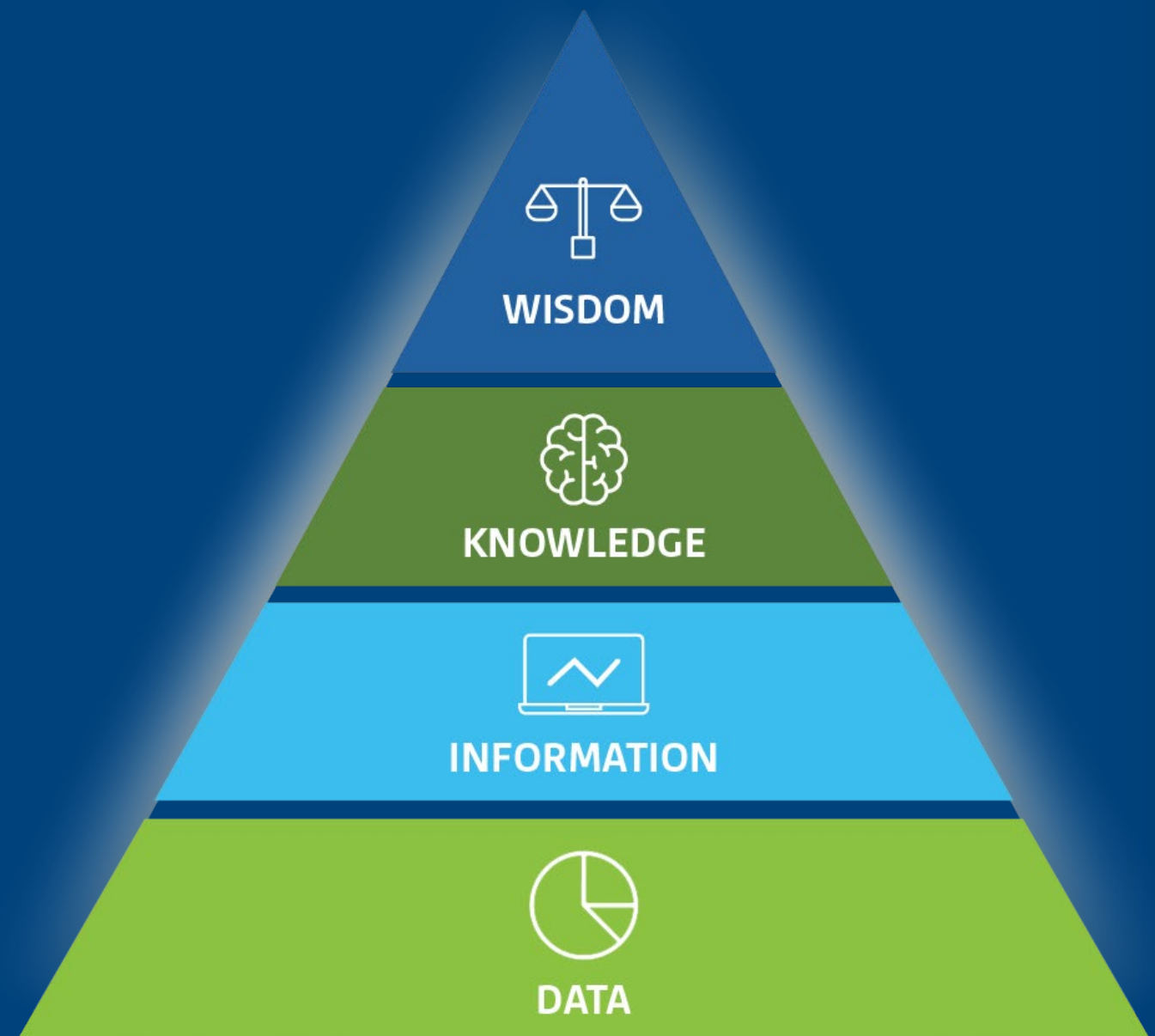
- ✱ ***Environmental History—What Is It?:*** illuminate the interplay between human history and natural history, examining many of the permutations of “nature’s role in American history.”
- ✱ ***Cultural Constructions of Nature:*** illuminate the ways in which Americans’ *thinking* about nature and the 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.

New Course!

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 EITHER Calc or 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 31200 Topics in Environmental Communication: *ROOTS*

- ➔ Fae Dremock
- ➔ TR 4-5:15 pm
- ➔ 3 credits
- ➔ ENVS 300 level/tools elective
- ➔ Tired of plowing through books? Dig up the dirt instead! Work as a team in hands-on science writing -- interviews, podcasts, features, and web page design for *Roots*, our online science outreach journal!



New Course!

ENVS 321:

Governing Socio-Ecological Systems

➔ Praneeta Mudaliar

➔ TR 9:25-10:40 AM

➔ 3 credits

➔ Prerequisites: ENVS 220 or ENVS 213 or ENVS 337

**Polycentric
governance**

Integrated
Water Resource
Management

**Adaptive
Governance**



Human rights

Multi-level
governance

Hydro-politics

Artwork by Alexandra Boawman [@scripta_bene](#) / NY Times)

- **Governance of socio-ecological systems**
- **Environmentalism: diversity, justice, and sustainability**

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 36000

Topics in Environmental Humanities-- The Unnatural Disaster: Katrina

- ➔ Fae Dremock
- ➔ MW 4:00-5:15
- ➔ 3 credits
- ➔ ICC *Writing Intensive*
- ➔ Junior standing
or consent of instructor



In this course, we explore the human stories in Katrina, talk about disaster management from an ethical perspective, and narrate the unnatural disasters we face.

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

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



ENVS Honors

- **Requirements:** Students with a minimum GPA in Environmental Studies and Sciences courses of 3.50 and an overall GPA of 3.30 may apply for the honors program
- **How to apply:** Application made to the ENVS curriculum committee via ENVS website
- **Deadline to apply:** End of first semester of junior year

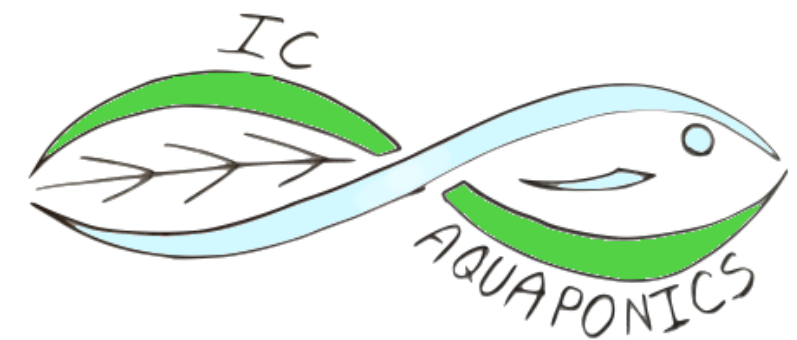
Visit the ENVS website for more information and to fill out the online application

Research, Independent Study & Internships

ENVS 201, 301, 402, 490 and 495

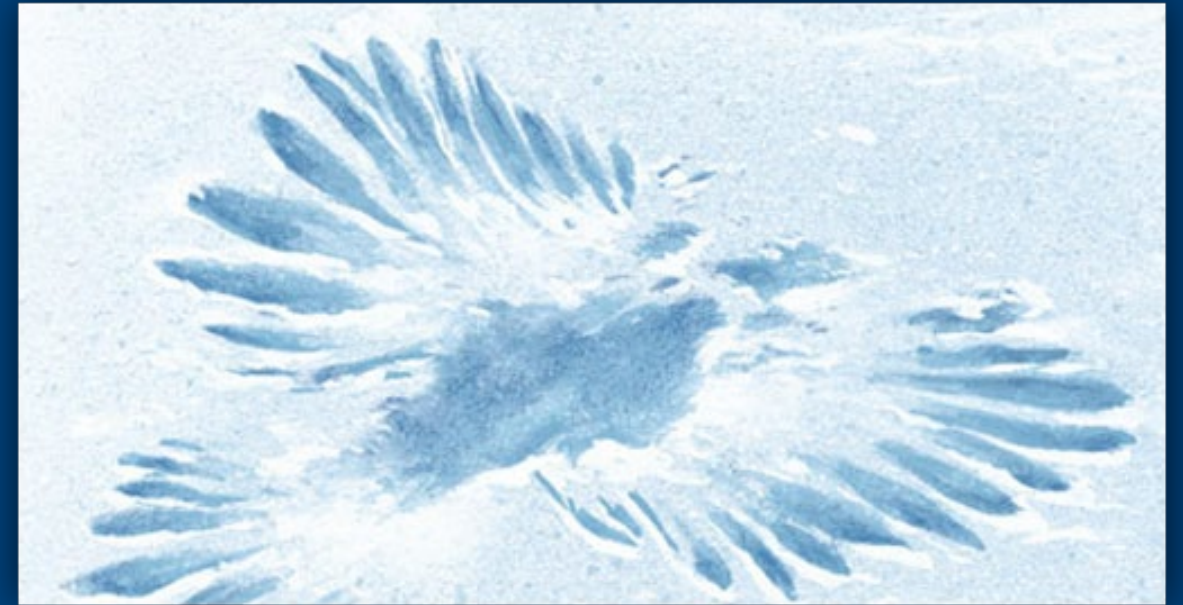
Many opportunities available

Contact faculty member directly
if you're interested.



Honors 23007 Winter Wonderland: Tracking & the Art of Seeing in Winter

- ➔ Jason Hamilton
- ➔ Thursday 2:35-3:50 pm
- ➔ 1 credit Honors seminar
- ➔ Nature doesn't go to sleep in the winter...
come outside and let's see what's going on!
- ➔ This seminar will be a face-to-face encounter
with the IC Natural Lands. Students will
learn how to read a forest, examining it for
signs of life and health, through tracking.
- ➔ *You'll never see the woods in the same way
after taking this seminar!*



Courses from Other Departments



ASTR 17400

Solar System Astronomy

- Matt Price – mprice@ithaca.edu
- TR 10:50 – 12:05 pm
- Fulfills WOS theme, III theme and NS perspective
- Geological Systems among planetary bodies
- Hydrological Systems: Where is water?
- Atmospheric Systems: runaway greenhouse and no greenhouse
- Biological Systems: What is life? Where is life?
- Seasons on earth and other planets
- Moons and their importance



MATH 159

Introduction to R

- ⇒ Thomas Pfaff
- ⇒ W 3 to 3:50 pm
- ⇒ Contact Dr. Pfaff with any questions at tpfaff@Ithaca.edu
- ⇒ 1 credit



This is a 1-credit introduction to R. The course focuses on problem solving through simulations in R. Students will learn some basics of simulations, graphing, and managing data in R.

MATH 221

Data Analysis w/ ArcGIS

- ⇒ Thomas Pfaff
- ⇒ TR 2:35 – 3:50 pm
- ⇒ Contact Dr. Pfaff with any questions at tpfaff@Ithaca.edu
- ⇒ Fulfills Tools or ENVS elective



ArcGIS®

Provides an introduction to spatial data management, analysis, modelling and visualization, and their applications, with a focus on problem solving with GIS. The context for applications in this course will mainly be environmental. The popular ArcGIS software will be used. Prerequisites: MATH 11100, MATH 14400, MATH 14500, or COMP 12400. (S,Y)

MATH 16500

Quantifying Sustainability



- Emilie Wiesner: ewiesner@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

- 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

HISTORY OF THE FUTURE

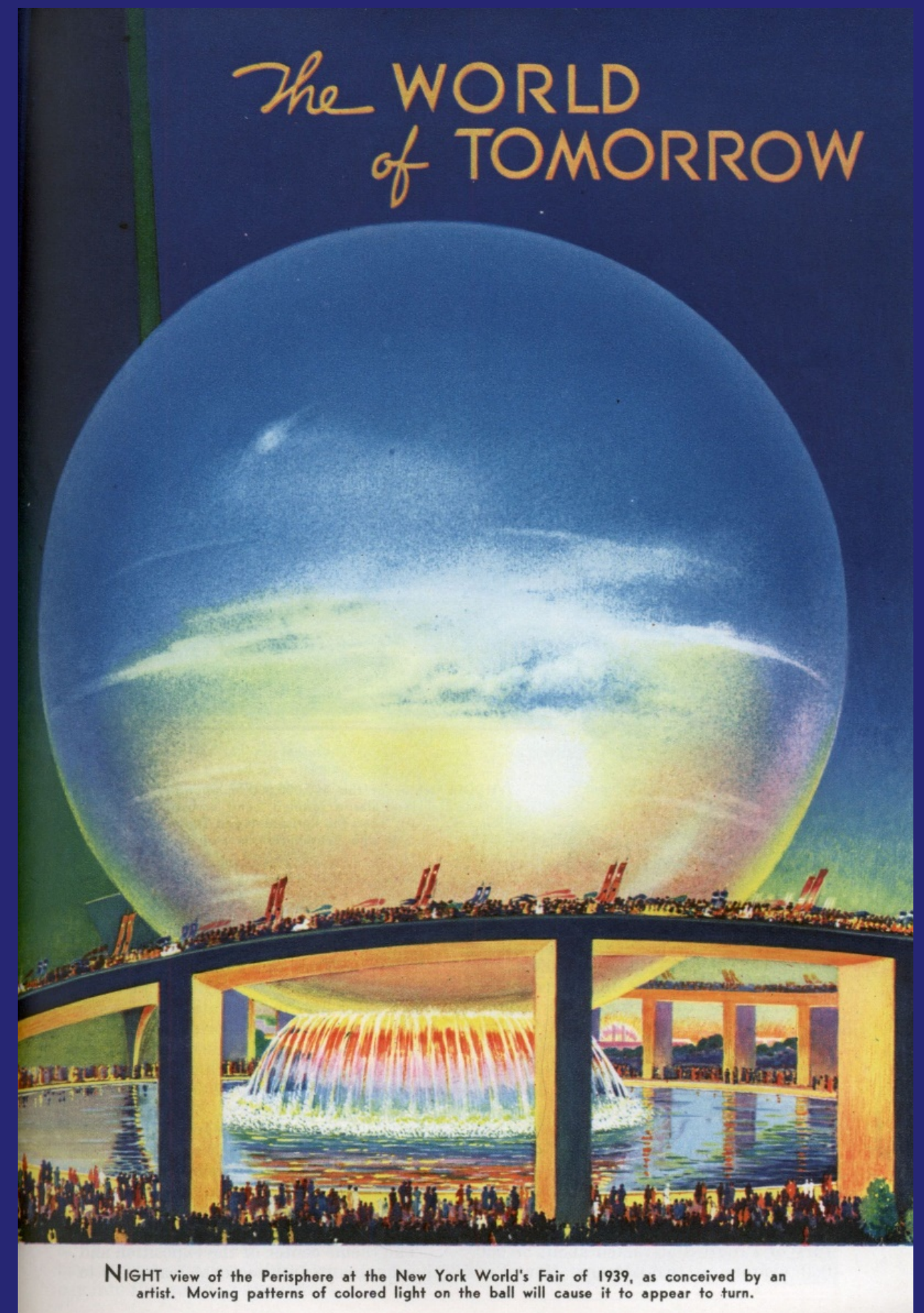
HIST 272—T/H, 10:50 PM

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.



NIGHT view of the Perisphere at the New York World's Fair of 1939, as conceived by an artist. Moving patterns of colored light on the ball will cause it to appear to turn.

