



ENVS NEWSLETTER

College of the Holy Cross
Department of Environmental Studies
Worcester, MA 01610
508-793-2288

March 2024
Vol. 4

This newsletter provides environmental studies program majors and minors with important updates including registration information for Fall 2024 and happenings in the department.

ENROLLMENT SCHEDULE

Fall 2024 Advising: MAR. 26
Enrollment: APR. 15 - APR. 23

Expected Grad.	STAGE 1	STAGE 2	Open Enrollment
Fall 2024, Spring 2025 & Fall 2025	Mon, April 15 7 am - 2 pm	Tues, April 16 7 am - 11:59 pm	Wed, May. 1 8 am
Spring 2026 & Fall 2026	Thurs, April 18 7 am - 2 pm	Fri, April 19 7 am - 11:59 pm	Wed, May. 1 8 am
Spring 2027 & Fall 2027	Mon, April 22 7 am - 2 pm	Tues, April 23 7 am - 11:59 pm	Wed, May. 1 8 am
1st Year Students	Tues, July 30		

FOR PROGRAM QUESTIONS CONTACT:



Prof. Justin McAlister
Department Director
jmcalist@holycross.edu
Swords 232

FALL 2024 COURSES

For schedule of classes and course descriptions, refer to the College Catalog or STAR online.

ENVS 117-01	Environmental Science	MWF 8-8:50am
ENVS 117-02	Environmental Science	MWF 10-10:50am
ENVS 117-03	Environmental Science	TuTh 8-9:15am
ENVS 117-04	Environmental Science	MWF 2-2:50pm
ENVS 118-01	Environmental Perspectives	TuTh 9:30-10:45am
ENVS 118-02	Environmental Perspectives	TuTh 11-12:15pm
ENVS 118-03	Environmental Perspectives	TuTh 12:30-1:45pm
ENVS 125-01	Intro to Climate Change	MWF 9-9:50am
ENVS 125-02	Intro to Climate Change	MWF 11-11:50am
ENVS 200	Environmental Law	MW 6:30-7:45pm
ENVS 235	Climate Science	MWF 1-1:50pm
ENVS 299-04	Gender & Climate Justice	TuTh 2-3:15pm
ENVS 404	Capstone Seminar	W 2-4:30pm
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BIOL 163	Intro Biol Diversity & Ecology	(3 Sections)
	w/ Lab	(4 Lab Sections)
BIOL 235	Marine Biology	MWF 10-10:50am
	w/ Lab	M 2-5:00pm
BIOL 280	Ecology	WF 12:30-1:45pm
	w/Lab	W 2-5:00pm
ECON 110	Principles of Economics	8 sections in Star
ECON 224	Environmental Economics	MWF 1-1:50pm
GEOS 120	Geohazards	TuTh 9:30-10:45am
GEOS 150	Introduction to Geology	TuTh 11-12:15pm
	w/ Lab	Th 2-5:00pm
HIST 258	Nature, Culture, Power in Global History, 1500-1850	MW 3-4:15 pm
SOCL 236	Environmental Sociology	WF 2-3:15pm
VAHI 330	Designing Green	F 11-1:30pm
VAST 206	Drawn to Nature	MW 9-11:30am

HOW TO GET AN ENVS DEGREE

MAJOR REQUIREMENTS

14 required courses

- ENVS 117 Environmental Science
- ENVS 118 Environmental Perspectives
- ENVS 404 Capstone Seminar
- Two of these introductory science courses (BIOL 163, CHEM 141 (w/ lab) or CHEM 181, GEOS 150, PHYS 115)
- Two environmental humanities courses, one of which must be 200-level or higher
- One environmental economics course (ECON 224)
- One additional environmental social science course
- Two additional environmental science courses, one of which must include a lab
- A quantitative or spatial analysis course (GIS or Statistics or MATH 303 Mathematical Modeling)
- Two more upper level environmental electives in any area. One of the upper level course requirements can be fulfilled by undergraduate research (e.g., BIOL 401 or college honors thesis) for academic credit with prior permission of the ENVS Director.

MINOR REQUIREMENTS

7 required courses

- ENVS 117 Environmental Science *or* BIOL 280 General Ecology
- ENVS 118 Environmental Perspectives
- One environmental humanities course
- One environmental social science course
- Two additional environmental science courses
- One environmental course in any area

NEW CLASS: FALL 2024

ENVS 299: Gender and Climate Justice ***Professor Holly Moulton***

This course engages with environmental studies, advances in glaciology and geomorphology, and feminist science and technology studies to explore gender and climate justice in glaciated regions of the globe. Globally, women, trans, and gender-diverse people bear the disproportionate costs of environmental change, but research and media reports often sideline gender and foreground poverty as the main source of environmental ills. As such, this course is focused on the intersection of gender and climate justice, which demands that multi-faceted questions of power and inequity be considered to understand the unequal distribution of climate change burdens and benefits. Students will be asked to engage with both gendered impacts of climate change as well as feminist theory to re-think how climate change knowledge is produced and valued. The class will be focused on three case studies in rapidly de-glaciating regions: the Andes, the Arctic, and Antarctica, and will draw on place-based local knowledge in addition to scientific and social scientific studies. Media analysis will be a critical component of student learning, since climate science is synthesized and communicated to the public in a variety of contested formats. As such, this course will also focus on data ethics and how to critically analyze bias in the media's data interpretations, including newspapers, editorial articles, and nature documentaries. By the end of the course, students will be able to articulate how gender can be better incorporated into climate research and how a focus on both gender and feminist theory could help to re-think human-environment interactions in icy places. Students will produce a variety of creative documents, speeches, or performances to communicate their learning to a broader audience.



ACADEMIC CONFERENCE

Date: Wednesday, April 24, 2024

Time: 1:00 to 3:30 pm

**Location: Smith Labs 154 and Smith Labs
Atrium**

PRESENTATIONS

Esmeralda Garcia '24;
Eliza Koorbusch '24;
Christina Marciano '24

*ENVS Capstone
Project: Creating a
Heat Sensitivity-
Exposure Index for
Worcester*

Emily Marino '24;
Aleesha Chandhok '24

*ENVS Capstone
Project: Composting
and Food Waste
Education*

Eleanor D'Arbeloff '24;
Tori Cini '24;
Katie Battagliese '24

*ENVS Capstone
Project: Microplastics
in Worcester
waterways*

Charlotte Keane '24;
Hunter Hawley '24;
Maya Faich '24

*ENVS Capstone Project:
Greenwood Street Solar
Farm: Renewable
Energy and the City of
Worcester*

Megan MacFarlane '26;
Emily Marino '24;
Audrey McGrail '24

*Connection and
Care: Planetary
Gardening*



*Titles may change

SPRING 2024

POSTERS

Levi Cass '24

*Analysis of wave
transmission over reef-like
structures in FUNWAVE-
DVD*

Keely Lavin '25

*Sargassum spp. as a possible
mechanism for transport and
retention of anthropogenic marine
debris in the Turks and Caicos
Islands*

Sarah Synan '24

*The effect of leg sensilla
impairment on homing in a
Neotropical Harvestman*

Maya Faich '24

*Taming the voracious lionfish
(Pterois spp.): an exploration
of depth, sex, and sexual
maturity within and outside of
aggregations in South Caicos*

Julia Barton '25

*Neighbors in Nature:
Correlation between human
presence and wildlife species
richness in Paro Valley, Bhutan*

Spring 24 Academic Conference
**Moderators: Professor Bryce Dubois &
Professor Sara Mitchell**
**Mentors: Professor David Karmon &
Professor Sara Mitchell**

Thank you all for your dedication and time!

STUDY ABROAD

Prof. Justin McAlister is the ENVS study abroad advisor

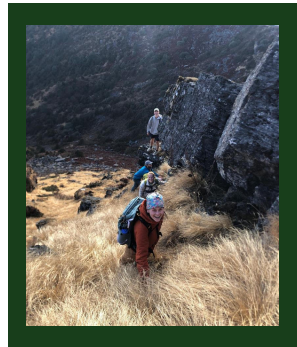
Please contact him with any questions about how you can incorporate a study abroad experience into your ENVS major or minor.

jmcalist@holycross.edu **Swords 232**

LINKS FOR STUDY ABROAD OPPORTUNITIES:

- **THE SCHOOL FOR FIELD STUDIES (SFS) WEBSITE**

STUDY ABROAD EXPERIENCES



Julia Barton '25

Location:

Bhutan

Program:

School for Field Studies

I had a wonderful experience studying with SFS in Paro, Bhutan. The program focused on the sustainable development of the kingdom's newly urbanized pockets, as well as ethical tourism, land use, and Himalayan ecology. Every class was anchored in hands-on work, whether it was ecological sampling or talking to monks and local community members. We had ample opportunities to explore the Himalayas and plan treks in our free time. It was truly a once-in-a-lifetime experience that I will cherish forever; thank you to the incredibly welcoming and dedicated all-Bhutanese staff that makes it possible.

FACULTY PUBLICATIONS

Amante, C.J.; Love, M.; Carignan, K.; Sutherland, M.G.; MacFerrin, M.; Lim, E. (2023). *Continuously Updated Digital Elevation Models (CUDEMs) to Support Coastal Inundation Modeling. Remote Sensing*, 15, 1702.
<https://doi.org/10.3390/rs15061702>

DuBois, B. & Graham, L. (2024). Resilience in the Rockaways: Coastal Imaginaries and Racial Coastal Formation. In, Low, S., *Beach Politics: Social (and Environmental) Injustice on Unsettled Shores*. NYU Press.

Lewis, Todd. "Towards a Transcultural Historiography of Buddhism's Asian Expansion: Environment and Economy and its Importance in Understanding Modern Buddhism."

Lewis, Todd. (August 2023) *A keynote address to the Hong Kong conference, "Sinification, Globalization or Glocalization?: Paradigm Shifts in the Study of Transmission and Transformation of Buddhism in Asia and Beyond,"*

Philip, Leila. (2022). *Beaverland: How One Weird Rodent Made America* (First edition.). *Twelve*.

SPRING 2024 EVENTS

MAR. 22 World Water Day

MAR 31. Rao Prize Submissions Due

APR. 17 Rao Lecture

Rehm Library 4:30pm

APR. 22 Earth Day!

APR. 24 Academic Conference

ENVS Session Time 1:00-3:30pm Smith Labs

MAY. 8 ENVS End-of-Year Celebration

Jo Patio 12:30-2:00pm

Easy Street Taco Food Truck

ENVS STUDENT ADVISORY COMMITTEE

Graduating Seniors

Christina Marciano, *Co-Chair*

Emily Marino, *Co-Chair*

Esme Garcia

Katie Battagliese

Thank You For All Your
Hard Work!

2024-2025 Members

Olivia Dubin, *Co-Chair*

Sheila Hulseman, *Co-Chair*

Nicholas Finn

Shane Fitzpatrick

Keely Lavin

Sienna Moore

Gracie Reisman

Welcome, New &
Returning Members!
We're Happy To Have
You

The Jairam Miguel Rodrigues Rao Prize for Work on Environmental Racism and Justice

The ENVS Program announces the annual Jairam Miguel Rodrigues Rao Prize, named for Professor Maria Rodrigues' late son Jairam, who had worked toward environmental justice from an early age.

This Prize is awarded annually for the best paper, project, or presentation that addresses **environmental racism and justice** written by a student, as an individual or in collaboration with others, at the College. The competition is open to all students regardless of major. All submissions are due by **March 31, 2024**. Work will be judged by a committee comprised of ENVS faculty. The winner(s) will be announced in April and will receive \$500.

Spring 2024 Committee

Daina Cheyenne Harvey

Sara Mitchell

Joanna Linzer

Rao Lecture Speaker

April 17th, 2024 4:30pm

Rehm Library

Speaker: Hannah A. Holleman

*Associate Professor of Sociology and Environmental Studies;
Chair of Anthropology and Sociology at Amherst College*

Rao Project Submission Link

<https://docs.google.com/forms/d/e/1FAIpQLSe1-7xV6PaCE5soBqcGiAMJfwhmRnCsKAWCZn37bAmGHoLdHw/viewform>

Questions should be sent to RaoPrize@holycross.edu

GET YOUR GREEN LIVING CERTIFICATION

The Green Living Certification, hosted by the Office of Sustainability, recognizes students for their positive environmental choices.

Certification is simple. Complete at least one action item in each of the six categories on the MyHC checklist and submit the form. Every student who gets certified receives a snazzy sticker in their mailbox!



<https://tr.ee/7WjOFdp2yA>

CALL TO STUDENTS

Student groups and ENVS students!
If you wish to be featured in the Fall 2024 Newsletter under a "STUDENT HIGHLIGHT" section

Please contact
envsstudentworker@holycross.edu

Need resources for an internship or job? Visit The Center for Career Development

Director, Cameron Smith

Career Development Email:
careers@holycross.edu

All appointments should be made via Handshake.

Office hours are Mon.-Fri., 9 am - 5:00 pm
Drop-in hours are Mon.-Fri. 1 pm - 4 pm

Drop-ins are available daily during the academic year for quick questions—no appointment is necessary. Drop-in hours provide an opportunity for students who have quick questions or who wish to have a resume or cover letter critiqued, to meet with a staff member for 15 minutes.

<https://www.holycross.edu/support-and-resources/career-planning-center>

This newsletter was created by the ENVS Publication Committee: Prof. McAlister, Prof. DuBois, Paula Hall, and Eliza Koorbusch '24

March, 2024