Why Global Health?

Global health is a powerful driver of global affairs today. Disease outbreaks can restructure world economies, transform trade and travel, drive foreign policy, alter consumer behavior, and challenge every aspect of individual lives and social activities. The multifaceted nature of global health requires interdisciplinary analysis—engaging with economics, history, and politics, as well as with anthropology, law, and sociology, in addition to epidemiology, public health, and medical sciences.

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Global Health Studies

The Global Health Studies Program is designed for undergraduate Yale students interested in understanding and addressing pressing global health challenges.

https://jackson.yale.edu/study/global-health-studies/
Global Health Scholars

Faiad Alam

Danielle Castro

Hannah Cevasco

David Foster

Bayan Galal

Sydney Gray
Global Health Scholars

Sophia Zhao
Sandhya Kumar
Rebecca Li
Sophie Licostie
Kelly Long
Maxine Mackie
Global Health Scholars

Ben Nikitin

Amma Otchere

Siraj Patwa

Bhargav Ramesh

Emma Rutan

Natalie Sangngam
Global Health Studies Program Requirements

2 required courses and 4 elective courses

Required courses:
1. Global Health: Challenges and Responses (HLTH 230)
2. Senior Research Colloquium (HLTH 490)

4 Electives: Global Health Competencies
- Biological & Environmental Influences on Health
- Health & Societies
- Historical Approaches
- Performance, Representation & Health
- Political Economy & Governance in Health
- Understanding & Interpreting Quantitative Data

Optional Summer Research / Internship Experience & funding through Global Health Summer Awards
<table>
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<tr>
<th>Course Title</th>
<th>Course Number</th>
<th>Competency 1</th>
<th>Competency 2</th>
<th>Instructors</th>
<th>Distributional Requirements</th>
<th>Course description from courses.yale.edu/</th>
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<tbody>
<tr>
<td>Air Pollution Control</td>
<td>ENVE 373, CENG 373</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td>Understanding &amp; Interpreting Quantitative Data</td>
<td>Drew Gentner</td>
<td>QR, SC</td>
<td>An overview of air quality problems worldwide with a focus on emissions, chemistry, transport, and other processes that govern dynamic behavior in the atmosphere. Quantitative assessment of the determining factors of air pollution (e.g., transportation and other combustion-related sources, chemical transformations), climate change, photochemical “smog,” pollutant measurement techniques, and air quality management strategies. Prerequisite: ENVE 120.</td>
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<tr>
<td>Biology of Malaria, Lyme, and Other Vector-Borne Diseases</td>
<td>HLTH 155, MCDB 106, E&amp;EB 106</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td>Understanding &amp; Interpreting Quantitative Data</td>
<td>Alexia Belberron</td>
<td>SC</td>
<td>Introduction to the biology of pathogen transmission from one organism to another by insects; special focus on malaria, dengue, and Lyme disease. Biology of the pathogens including modes of transmission, establishment of infection, and immune responses; the challenges associated with vector control, prevention, development of vaccines, and treatments. Intended for non-science majors; preference to freshmen and sophomores. Prerequisite: high school biology.</td>
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<tr>
<td>Biology, the World, and Us</td>
<td>MB&amp;B 105, MCDB 105</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td>Health &amp; Societies</td>
<td>John Carlson, Josh Gendron, Roni Kaufman, Jennifer Marion</td>
<td>SC</td>
<td>Biological concepts taught in context of current societal issues, such as emerging diseases, genetically modified organisms, green energy, and the human brain and its disorders. Emphasis on biological literacy to enable students to evaluate scientific arguments.</td>
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<tr>
<td>Climate Change</td>
<td>EPS 101</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td></td>
<td></td>
<td>SC</td>
<td>An introductory course that explores the science of global climate change. We analyze processes that regulate the climate on Earth, assess the scientific evidence for global warming, and discuss consequences of climate change. We explore Earth’s climate history as it relates to the present climate as well as future climate projections. Uncertainty in the interpretation of climate observations and future projections are examined.</td>
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<tr>
<td>Environmental Justice in South Asia</td>
<td>ANTH 322, SAST 306, EVST 324</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td>Political Economy &amp; Governance in Health</td>
<td>Kalyanakrishnan Sivaramarakashnan</td>
<td>SO</td>
<td>Study of South Asia’s nation building and economic development in the aftermath of war and decolonization in the 20th century. How it generated unprecedented stress on natural environments; increased social disparity; and exposure of the poor and minorities to environmental risks and loss of homes, livelihoods, and cultural resources. Discussion of the rise of environmental justice movements and policies in the region as the world comes to grips with living in the Anthropocene.</td>
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<tr>
<td>Epigenetics</td>
<td>MCDB 350, MCDB 650</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td></td>
<td>Nadya Dimitrova, Yannick Jacob, Josien van Wolfswinkel</td>
<td>SC</td>
<td>Study of epigenetic states and the various mechanisms of epigenetic regulation, including histone modification, DNA methylation, nuclear organization, and regulation by non-coding RNAs. Detailed critique of papers from primary literature and discussion of novel technologies, with specific attention to the impact of epigenetics on human health. Introductory courses (BIOL 101-104) and two MCDB 200-level courses (strongly recommended: MCDB 202 and MCDB 200 or MCDB 210) or instructor permission.</td>
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<tr>
<td>Evolution and Medicine</td>
<td>HLTH 250, E&amp;EB 335, E&amp;EB 635</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td></td>
<td>Brandon Ogbonu</td>
<td>SC, WR</td>
<td>Introduction to the ways in which evolutionary science informs medical research and clinical practice. Diseases of civilization and their relation to humans’ evolutionary past; the evolution of human defense mechanisms; antibiotic resistance and virulence in pathogens; cancer as an evolutionary process. Students view course lectures on line; class time focuses on discussion of lecture topics and research papers. Prerequisite: BIOL 101-104.</td>
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<tr>
<td>Hormones, Evolution, and Human Behavior</td>
<td>ANTH 217</td>
<td>Biological &amp; Environmental Influences on Health</td>
<td></td>
<td>Richard Bribiescas</td>
<td>SO</td>
<td>This course examines the evolution of human behavior through the lens of endocrinology and life history theory. Topics include the evolution of social behavior, pair bonding, parental investment, aggression, sex, feeding behavior, and risk tolerance. This course also addresses these topics with a mindful eye towards variation throughout the human life course from birth to death. Specific attention is made towards examining behavioral endocrinology within the context of human diversity in all its forms, social, biological, and ecological as well as in comparison with other species including non-human primates. ANTH 116, ANTH 242, or a similar course is recommended before enrolling in this course.</td>
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Core Teaching Faculty

Prof. Catherine Panter-Brick
Dr. Cara Fallon
Prof. Rob Hecht
Prof. Brandon Ogbunu
Prof. Marney White
Affiliated Faculty

Our faculty connect us with Yale Schools of Medicine, Nursing, Public Health, Law, Arts & Sciences, the Jackson School of Global Affairs, and the New Haven community.
Affiliated Faculty

Robert Dubrow
Nathan Grubaugh
Ashley Hagaman
Albert Ko
Emily Wang
Marcia Inhorn
Paula Kavathas
Tracey L. Meares

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Global Health Scholars in Action!
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Global Health Scholars in Action!
Global Health Scholars on Zoom
Application Process

For sophomores currently enrolled:

October 26: Applications open online

November 2: Information session (today!)

November 18: Applications due at 4pm

Before Winter Break: Decisions Communicated
Application Contents

Background information

Resume and transcript

Contact information for one reference

3 Essay Short Questions

• **Question 1 (250 words):** “What motivates you to become a Global Health Scholar?”

• **Question 2 (500 words):** Based on Jeffrey Koplan et al.’s definition of global health (provided), describe a global health-related issue or challenge that is interesting to you, and explain how pursuing interdisciplinary study and collaboration in the Yale Global Health Scholars program would help you better understand and/or address this issue.

• **Question 3 (250 words):** Many social scientists have been critical of global health, but insist that “a critical approach (...) is less about new problems (or solutions) than about new problematizations” (Fassin, 2012). What are some of the problem areas you might see in ‘framing’ current research and practice in global health?

https://jackson.yale.edu/study/global-health-studies/how-to-apply/
Learn More about our Program!

Talk to Global Health Scholars....

Learn about the program, courses, & more

Apply now!
Questions?