Public Health Studies

Public Health combines a prevention orientation with a population perspective in pursuit of better health for all members of society. Public health professionals deal with critical large-scale issues such as access to health care; chronic disease control; mapping, predicting, and containing outbreaks of infectious disease; as well as researching factors that contribute to health outcomes such as gender, poverty, and education. Public Health has close ties with medicine through research, clinical practice, and formulating policy.

The Public Health Studies Program offers undergraduates a major that links them to the world of public health through core courses taken on the Homewood campus, as well as electives taken at the Johns Hopkins Bloomberg School of Public Health (JHSPH).

Core course work at Homewood includes Fundamentals of Epidemiology, Environment and Your Health, Fundamentals of Health Policy and Management, Biostatistics, Social and Behavioral Health, as well as a year of Biology and Calculus I. Students will select additional public health coursework from a range of options that include the natural sciences, health economics, medical anthropology, disparities in health and access to health care, the history of science and medicine, and demography. The major is flexible and easily adapted to further course work in the natural sciences and historically about two-thirds of Public Health Studies majors complete the premedical core curriculum.

Public Health Studies majors beginning with the class of 2013 also complete the Public Health Applied Experience as part of their undergraduate degree requirements. This involves a supervised, hands-on experience working with public health professionals. The goal of the applied experience requirement is to ensure that students have practical public health exposure in a clinical, research, or community setting. Find more information at http://krieger.jhu.edu/publichealth/academics/AE-Main.

The Johns Hopkins Bloomberg School of Public Health is the oldest and largest school of public health in the United States. Although its primary function is to serve as a graduate school, seniors majoring in public health studies take a semester’s worth of courses there in fulfilling their B.A. degree requirements. Many students get involved in ongoing research projects at JHSPH such as developing malaria vaccine, investigating hospital patient safety protocols or assessing the links between poverty and poor health.

Available course work at JHSPH includes the following areas: health education, environmental health sciences, epidemiology, health finance and management, health policy, human genetics, immunology and infectious diseases, international health, maternal and child health, mental health, nutrition, occupational medicine/health protection and practice, population studies, toxicology, and tropical medicine, among others.

An honors option is available to Public Health Studies majors with a major GPA of 3.3. Public Health Honors students work in a research capacity under the supervision of a JHU faculty member and with the guidance of the Director of the Public Health Studies program. Students register for 280.495 Honors in Public Health Seminar in the fall and 280.499 in the spring. Interested students should discuss their plans with the Director of the Public Health Studies program in the spring of their junior year.

Many Public Health Studies students have pursued international public health internships and study abroad opportunities both during the academic year and over the summer. In addition to a wide array of general options available through the JHU Office of Study Abroad, the PHS program has established two public-health specific annual programs: Intersession (3 1/2 weeks) in Uganda and Summer (7 weeks) in South Africa. Each includes both academic and applied components and allows students to earn graded JHU credits which can be used toward the Public Health Studies major. The Uganda program emphasizes the link between education and health in both urban and rural settings, while the South Africa program closely investigates the impact of the HIV epidemic on prevention measures and healthcare delivery in that country. For more in formation, go to http://krieger.jhu.edu/publichealth/academics/studyabroad/index.htm.

The Public Health Studies office is located in the 3505 North Charles Building second floor, adjacent to the Homewood campus. Public Health Studies advisors may be consulted about the various courses, careers, and graduate programs in public health on a walk-in basis or by appointment. Information can also be obtained by emailing phstudies@jhu.edu or at http://krieger.jhu.edu/publichealth.

Bachelor of Arts/Masters Program

The Bachelor of Arts/Master of Health Sciences (BA/MHS) and Bachelor of Arts/Master of Sciences in Public Health (BA/MSPH) programs are a coordinated academic collaboration between the Krieger School of Arts and Sciences and the Johns Hopkins Bloomberg School of Public Health. It enables talented and committed Public Health Studies Program majors to complete a BA and master’s degree from the School of Public Health in five to six years.

The Department of Environmental Health Sciences, Department of Epidemiology and Department of Mental Health will consider JHU undergraduates majoring in Public Health Studies for admission to the BA/MHS program. The Department of Environmental Health Sciences also offers a BA/MSPH in Occupational and Environmental Hygiene. The Department of Health Policy and Management offers a BA/MSPH in Health Policy.

Public Health Studies students apply for early admission during their junior year. Admitted students must complete the BA degree before formally enrolling in the graduate school, but up to 16 of the public health credits earned inter-divisionally toward the BA may also apply toward the MHS or MSPH degree. In addition, students in this program will receive co-advising from both schools to optimize their academic experience. Find more information at http://krieger.jhu.edu/publichealth/academics/.

Public Health Studies Program Advisory Board

The Public Health Studies Program Advisory Board reviews the progress and status of the Public Health Studies Program. Members provide advice and guidance on issues that are vital to a successful program, such as faculty appointments, curriculum reviews, utilization of university resources, and new funding opportunities.

One designated Public Health Studies Alumni serves a 2-year term on the committee.
Board Members
Krieger School of Arts and Sciences
Steven David; Vice Dean (Undergraduate Education); Professor Richard Cone; Professor (Biophysics); Advisory Board Chair
Andr

Johns Hopkins Bloomberg School of Public Health
Stephen Gange; Professor (epidemiology); Senior Associate Dean for Academic Affairs

Requirements for the B.A. Degree
All requirements must be taken as graded credits. For more information, see http://www.advising.jhu.edu/degree_checklist.php.

Required Courses at Homewood

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AS.110.106</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>or AS.110.108</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>AS.280.335</td>
<td>The Environment and Your Health</td>
<td>3</td>
</tr>
<tr>
<td>AS.280.340</td>
<td>Fundamentals of Health Policy &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>AS.280.345</td>
<td>Public Health Biostatistics</td>
<td>4</td>
</tr>
<tr>
<td>AS.280.350</td>
<td>Fundamentals of Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>&amp; AS.280.360</td>
<td>General Biology II</td>
<td>5</td>
</tr>
<tr>
<td>AS.280.375</td>
<td>General Biology Workshop I</td>
<td></td>
</tr>
<tr>
<td>AS.280.380</td>
<td>General Biology Workshop II</td>
<td></td>
</tr>
<tr>
<td>&amp; AS.280.399</td>
<td>General Biology Workshop II</td>
<td></td>
</tr>
<tr>
<td>AS.280.320</td>
<td>Cell Biology</td>
<td>6</td>
</tr>
<tr>
<td>&amp; AS.280.330</td>
<td>Cell Biology Lab</td>
<td></td>
</tr>
<tr>
<td>Two (2) Introductory level Social Science courses (options drawn from anthropology, psychology, economics, and other disciplines) x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AS.070.132</td>
<td>Invitation to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>AS.140.105</td>
<td>History of Medicine</td>
<td>3</td>
</tr>
<tr>
<td>AS.140.106</td>
<td>History of Modern Medicine</td>
<td>3</td>
</tr>
<tr>
<td>AS.150.219</td>
<td>Introduction to Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>AS.180.101</td>
<td>Elements of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AS.180.102</td>
<td>Elements of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AS.270.107</td>
<td>Introduction to Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>AS.200.132</td>
<td>Introduction to Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>AS.200.133</td>
<td>Introduction to Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>AS.230.101</td>
<td>Introduction Sociology</td>
<td>3</td>
</tr>
<tr>
<td>AS.230.150</td>
<td>Issues in International Development</td>
<td>3</td>
</tr>
<tr>
<td>AS.280.101</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum of four (4) courses must be selected from the following with approved interdisciplinary or community-based elements. Each must have S/U designation.

- Calculus I (or Calculus II)
- Calculus Workshop
- General Biology I
- General Biology Workshop I or II
- Biochemistry
- Biochemistry Laboratory
- Cell Biology
- Cell Biology Lab

Required Courses at JHSPH

- 10 units of courses must be taken at the Johns Hopkins Bloomberg School of Public Health in the student’s fourth year. This is equivalent to 10 Homewood credits. Within the 15, students must create an 8 unit concentration in one particular area, topic, or department. Other courses may be taken in any department. These courses may not be independent research/special study, taken S/U or online.

Other General Requirements

- Four (4) writing intensive courses (12 credits)
For current faculty and contact information go to http://krieger.jhu.edu/publichealth/directory/

Faculty

Program Director
Kelly Gebo
M.D., M.P.H.; Associate Professor (Medicine, Epidemiology).

Associate Director
James Goodyear
Ph.D.; Senior Lecturer (Public Health Studies Program); Academic Advisor.

Assistant Director
Lisa Folda
Assistant Director (Public Health Studies Program), Lecturer, Academic Advisor.

Joint Professors
David Bishai
Professor (Population, Family, and Reproductive Health); Director of Interdepartmental Health Economics.

Thomas LaVeist
Professor (Health Policy and Management); Director Hopkins Center for Health Disparities Solutions.

Philip Leaf
Professor (Mental Health); Director, Center for the Prevention of Youth Violence.

Donald Steinwachs
Professor (Health Policy and Management); Director, Health Services Research and Development Center.

Michael Trush
Professor (Environmental Health Sciences) Deputy Director, Johns Hopkins Center for Urban Environmental Health; Director Community Outreach and Education Core.

Barry Zirkin
Professor (Biochemistry and Molecular Biology).

Joint Associate Professors
Lee Bone
Associate Professor (Health, Behavior, and Society).

Lawrence Cheskin
Associate Professor, (Health, Behavior, and Society); Director, Johns Hopkins Weight Management Center.

Carolyn Furr-Holden
Assistant Professor (Mental Health); Director, DIVE Studies Laboratory.

Joint Assistant Professors
Miriam Alexander
Assistant Professor (Population and Family Health Sciences); Director General Preventive Medicine Residency Program, Director of Mid-Atlantic Public Health Training Center.

Jennifer Schrack
Assistant Professor (Epidemiology).

Academic Advisors
Mieka Smart
M.H.S., Lecturer (Public Health Studies Program).

Assistant Scientist
Darcy Phelan
Assistant Scientist (Epidemiology).

Margaret Taub
Assistant Scientist (Biostatistics).

Part-Time Lecturer
Peter Beilenson
Lecturer (Public Health Studies).

For current course information and registration go to https://isis.jhu.edu/classes/

Courses

**AS.280.100. Public Health in Film and Media. 1 Credit.**
This course uses film to explore and question the cultural landscape of public health in today’s society. Public health is a richly diverse field that reaches not only into many areas of daily life, but into our cultural imagination as well. The purpose of this class is to examine how public health matters such as epidemic disease, access to health care, health and the law, bioethics, neglected tropical diseases and other topics are portrayed in feature films and documentaries. Each week students will view and discuss a film or documentary that addresses a public health issue. Freshmen Only. S/U Grading Only.
Instructor(s): M. Smart
Area: Social and Behavioral Sciences.

**AS.280.101. Introduction to Public Health. 3 Credits.**
An overview of the major concepts and themes in Public Health utilizing the social and natural science disciplines in populations world-wide.
Instructor(s): M. Alexander
Area: Social and Behavioral Sciences.

**AS.280.111. Urban Health and Advocacy. 2 Credits.**
Student driven exploration of a wide range of psychosocial issues facing the poorest residents in urban centers. Coursework includes assigned readings, lively discussions, and experiential activities. Students will increase their awareness of health issues facing the poor and of the utility of advocacy in the health field.
Instructor(s): M. Smart
Area: Social and Behavioral Sciences.

**AS.280.115. Issues in Public Health Ethics. 3 Credits.**
Freshmen Seminar: Should overweight individuals pay more for health insurance like many smokers do? When is it appropriate to quarantine people during an infectious disease outbreak? Do we owe citizens universal access to quality, affordable health care? We will explore these questions, among others, through the lens of public health ethics. Freshmen Only.
Instructor(s): J. Leider
Area: Social and Behavioral Sciences.
AS.280.120. Lectures on Public Health and Wellbeing in Baltimore. 1 Credit.
An introduction to Urban Health with Baltimore as a case study: wellbeing, nutrition, education, violence and city-wide geographic variation. Lectures by JH Faculty, local government/service providers and advocates.
Instructor(s): P. Leaf
Area: Social and Behavioral Sciences.

AS.280.121. Chemical Karma: From Pollution to Disease. 3 Credits.
This course follows several pollutants from their industrial sources to their human health outcomes, and teaches how to rigorously/systematically search for and synthesize concepts in environmental health literature. Term paper. E²SHI Fellowships.
Instructor(s): M. Gribble
Area: Natural Sciences.

AS.280.125. Global Health and Advocacy. 1 Credit.
Sections restricted to certain class years. Relying on outside speakers this course will introduce students to a variety of topics that impact global public health practice. Students will hear professionals from NGOs, government and academia discuss challenges they face as they carry out program management, research and policy development. Attendance will be mandatory from the opening class. Grading is S/U only. Section 1 restricted to seniors Section 2 restricted to juniors Section 3 restricted to sophomores Section 4 restricted to freshmen.

AS.280.157. From Tropical Disease to Global Health: A History. 3 Credits.
Instructor(s): J. Goodyear
Area: Humanities, Social and Behavioral Sciences.

AS.280.215. Understanding Behavior Change: Theory and Application. 3 Credits.
This course will begin by exposing students to a variety of theories of behavior change - why and how we do it, and why we often don't. From there they will apply this knowledge to, part of a semester-long group project, develop a health communication campaign designed to encourage changing a behavior among their peers. They will practice the skills necessary to analyze a problem, develop a campaign strategy, create persuasive materials, and implement and monitor that campaign. Some elements of impact evaluation will also be covered in this course.
Sophomores Only. Recommended Course Background: AS.280.101
Instructor(s): L. Folda
Area: Social and Behavioral Sciences.

AS.280.217. Youth Bullying, Aggression, and Public Health. 3 Credits.
This course examines bullying and aggression among school-aged youth from a public health perspective. We will explore the prevalence of bullying, theories about its etiology, and recent prevention efforts.
Instructor(s): J. Duong
Area: Social and Behavioral Sciences.

AS.280.220. Baltimore and The Wire: A focus on major urban issues. 3 Credits.
Playing off the themes raised in the HBO series "The Wire", this course will provide an introduction to major issues confronting Baltimore and other American urban centers through a series of lectures by policy makers in the region. Freshmen/Sophomores only.
Instructor(s): P. Beilenson
Area: Social and Behavioral Sciences.

AS.280.221. The Sciences Behind HIV: Is eradication imminent?. 3 Credits.
Students will obtain a fundamental understanding of HIV biology, including a review of its origin, routes of infection, host defenses and viral evasion strategies, and HIV treatment. Special focus will be on the evaluation of HIV prevention strategies including vaccines and microbicides. Recommended Course Background: one year of general biology, AS.020.151, AP Biology, or equivalent. This is a Public Health Teaching Prize Course.
Area: Natural Sciences.

AS.280.222. Applied Geographic Information Systems in Public Health. 3 Credits.
Course provides an introduction to Geographic Information Systems (GIS) and presents its utility in public health. Provides exposure to GIS as a tool for describing the magnitude of health problems, and for supporting quantitative methods in public health decision-making. Course topics include a historical overview of the intersection between geography and public health; current epidemiological use of GIS; experiential learning (thematic mapping of health phenomena that students observe in the field); and geospatial analysis of public health problems.
Instructor(s): B. Wittstadt
Area: Quantitative and Mathematical Sciences, Social and Behavioral Sciences.

AS.280.223. Health and the Internet. 3 Credits.
This course will examine how the internet and web based applications influence individual and societal health. Health information is one of the most searched for subjects online, yet despite the proliferation of health related sites, there is still a need for quality, accurate and useable information. Blogs and online communities can bring patients together and aid in treatment and recovery. However, many Web 2.0 applications such as social networking sites, wikis and mobile technology that have the potential to increase interactivity and collaboration have yet to reach their full potential in healthcare delivery and promotion. Indeed, as the internet and new technologies hold great promise, there are also pitfalls such as spread of inaccurate or potentially dangerous information. This course will provide an overview of how the internet has changed health care and how new technologies will continue to influence our health.
Instructor(s): M. Massey
Area: Humanities, Social and Behavioral Sciences.

AS.280.230. Public Health, Sexual Orientation, and Gender Identity. 3 Credits.
In recent years, lesbian, gay, bisexual, transgender(LGBT) health issues have become important public health concerns. This course will focus on key issues in LGBT health, including the health consequences of homophobia and heterosexism, racial and ethnic minorities and LGBT health, globalization, healthcare systems and services. Specific health topics to be addressed include mental health, substance use, violence, sexually transmitted infections, and access to health care. During this course, students will develop a greater understanding of health disparities among LGBT populations.
Instructor(s): T. Poteat
Area: Humanities, Social and Behavioral Sciences.
AS.280.304. Transforming Disease: HIV/AIDS and the production of chronic illness. 3 Credits.
Drawing primarily on public health, anthropology, and sociology literature, the course critically examines debates surrounding the production of chronic illness, and resulting contestations as practices, laws, and policy are transformed.
Instructor(s): M. Philbin
Area: Social and Behavioral Sciences.

AS.280.306. Revising the Sick Role: The Patient as Subject, Citizen, Consumer, Expert and Advocate. 3 Credits.
Prerequisites: Prereq: AS.280.340 OR AS.280.101 or by consent of instructor
Instructor(s): M. Gilkey
Area: Social and Behavioral Sciences
Writing Intensive.

This course introduces students to the controversial topic of who should pay for healthcare. Examines four themes of financing, pooling, purchasing and provision of healthcare and considers the financial, political and social implications of distinct health financing methods. Explores major principles and practices of health financing across countries with different political and economic frameworks, featuring Japan, Cambodia, U.K., Canada, Germany and the U.S.
Prerequisites: Prereq: AS.180.102 OR AS.180.101
Instructor(s): S. Ozawa
Area: Social and Behavioral Sciences.

AS.280.308. The Environment and Infectious Disease: Public Health Perspectives. 3 Credits.
Junior & Senior PHS Majors Only: In this interactive course, students will explore environmental impacts on the spread of infectious diseases using public health tools. Topics include climate change, natural disasters, bioterrorism, agriculture, and emerging infections. Dean’s Teaching Fellowship course.
Instructor(s): M. Davis
Area: Natural Sciences, Social and Behavioral Sciences.

AS.280.309. Impact of Mass Communication on the Public’s Health: McLuhan to Oprah. 3 Credits.
This course will explore the role of mass communication on public health, from media and health behavior change theory to practical applications of current public health tools in communicating health. Dean’s Teaching Fellowship course.
Instructor(s): R. Limaye
Area: Social and Behavioral Sciences.

AS.280.310. Nutrition, Behavior, and Mental Health. 3 Credits.
What’s the relation between food and mood? This course will journey through topics as diverse as micronutrients, caffeine, and eating behaviors to seek nutrition’s connection to behavior and mental health.
Recommended Course Background: AS.280.345 and/or AS.280.350
Area: Natural Sciences, Social and Behavioral Sciences.

AS.280.311. Math, Money and the Mind: Controversies in Medical Decision Making. 3 Credits.
How do doctors decide what to prescribe? How do clinical studies, elected officials, drug companies, personal beliefs, and insurance companies influence those decisions? This will not be on your MCATs.
Recommended Course Background: course in Introductory Statistics or Biostatistics. Deans Teaching Fellowship Course.
Instructor(s): A. Turnbull
Area: Social and Behavioral Sciences.

AS.280.315. Nutrition: Concepts and Controversies. 3 Credits.
Nutrition is a fundamental component of human health and a challenging science, with individual and societal factors that span the country and the world. The primary objective of this course is to provide a fundamental understanding of human nutrition and its role in public health by addressing multiple components including the core micro- and macro- nutrients, and food choices and their implications for personal health. The secondary objective is to examine many of today’s nutrition controversies, both scientific and societal. Accordingly, this course will encourage students to think about nutrition and its critical contribution to public health on individual, societal, and global levels. A fundamental knowledge of biology and/or anatomy and physiology is recommended.
Instructor(s): B. Ha; J. Schrack; Z. Chowdhury
Area: Social and Behavioral Sciences.

AS.280.318. Food, Nutrition, and Public Health. 3 Credits.
This course explores an array of questions related to nutrition, food access, socioeconomic and demographic factors that affects individuals, communities, and public policy. Students will seek answers through field trips, guest lectures, and discussion seminars. Deans Teaching Fellowship Course.
Instructor(s): S. Lee
Area: Social and Behavioral Sciences.

AS.280.319. Water, Sanitation, and Hygiene in the 21st Century. 3 Credits.
The course provides an in-depth overview of current challenges related to water, sanitation, and hygiene (WASH) in the developing world with an emphasis on the links between WASH and epidemiology, climate change, population, gender, equity, and policy. Juniors and seniors only.
Area: Natural Sciences, Social and Behavioral Sciences
Writing Intensive.

AS.280.320. Seminar on Public Health and Wellbeing in Baltimore. 3 Credits.
Seminar combines lectures from AS.280.120 with additional readings and discussion to more deeply address urban health issues. If you register for this course you do NOT register for AS.280.120. Course is open to Sophomores and Juniors only, or by instructor’s permission.
Instructor(s): P. Leaf
Area: Social and Behavioral Sciences.

AS.280.325. Public Health in South Africa. 3 Credits.
This course provides an in-depth overview of Public Health in South Africa, including material on the political climate, health care services, and the impact of the HIV/AIDS epidemic. Course is taught in Cape Town, South Africa.
Instructor(s): J. Goodyear
Area: Humanities.

AS.280.326. Community-Based Learning in South Africa. 3 Credits.
3 Credit course taught in Cape Town, South Africa. This course may be used to satisfy the Public Health Applied Experience requirement. Students will participate in a community-based service learning program with a local NGO in Cape Town.
Instructor(s): J. Goodyear
Area: Social and Behavioral Sciences.
AS.280.335. The Environment and Your Health. 3 Credits.
This course surveys the basic concepts underlying environmental health sciences (toxicology, exposure assessment, risk assessment), current public health issues (hazardous waste, water- and food-borne diseases), and emerging global health threats (global warming, built environment, ozone depletion, sustainability). Public Health Studies, Global Environmental Change and Stability, and Earth and Planetary Science majors have 1st priority for enrollment. Your enrollment may be withdrawn at the discretion of the instructor if you are not a GECS, PHS, or EPS major.
Prerequisites: (Students may not have taken AS.270.320)
Instructor(s): M. Trush
Area: Natural Sciences.

AS.280.340. Fundamentals of Health Policy & Management. 3 Credits.
Through lectures and small group discussions, students will develop a framework for analyzing health care policy problems and gain familiarity with current issues including managed care, Medicare and the uninsured.
Instructor(s): D. Steinwachs
Area: Social and Behavioral Sciences.

AS.280.345. Public Health Biostatistics. 4 Credits.
Using problem-based learning focusing on public health topics, students learn to describe & summarize data, make inferences regarding population parameters, & test hypotheses. Recommended Course Background: Four years of high school math.
Prerequisites: Statistics Sequence restriction: students who have completed any of these courses may not register:
EN.550.211 OR EN.550.230 OR AS.200.314 OR AS.200.315 OR
EN.550.310 OR EN.550.311 OR EN.560.435 OR EN.550.420 OR
EN.550.430
Instructor(s): M. Taub; S. Zeger
Area: Quantitative and Mathematical Sciences.

AS.280.346. Advanced Biostatistics Laboratory. 1 Credit.
The course objective is to enable each student to enhance his or her quantitative scientific reasoning including precise formulations of scientific questions, valid interpretation of data as evidence, and clear, accurately written and oral communication about the numerical evidence as it informs the questions posed. Public Health Biostatistics is about quantitative approaches - ideas and skills - to address public health problems. Biostatistics is a bit like clinical medicine or other technical skills; to achieve mastery, a student must “see one, do one, teach one”. Therefore, the course is organized to promote regular practice of new ideas and skills and to work together in small groups. Students are introduced to the statistical programming environment R in lecture and sections, and work realistic data analysis problems using R.
Corequisites: AS.280.345
Instructor(s): M. Taub; S. Zeger
Area: Quantitative and Mathematical Sciences.

AS.280.347. Health Data Analysis Practicum. 2 Credits.
Students will learn to formulate precise scientific and policy questions, design exploratory and confirmatory statistical analyses to address the questions, conduct appropriate analyses using the statistical package R, and communicate their findings through graphical and tabular displays that are presented in writing and in person. The course will be run seminar style in which students conduct data analysis to present to one another in one meeting per week. Evaluation will be through class participation and a final project in which students will analyze their own data set to address a question of their choice.
Instructor(s): S. Zeger
Area: Quantitative and Mathematical Sciences.

AS.280.350. Fundamentals of Epidemiology. 3 Credits.
A practical introduction to epidemiology focusing on the principles and methods of examining the distribution and determinants of disease morbidity and mortality in human populations. Juniors and seniors only.
Instructor(s): A. Arnold; D. Phelan-Emrick
Area: Quantitative and Mathematical Sciences.

AS.280.360. Clinical & Public Health Behavior Change. 3 Credits.
This course explores the theory and practice of changing the health behaviors of individuals, and the public health and medical impact of doing so. Theoretical concepts are integrated with practical clinical applications, especially in the areas of diet and fitness. Skill building in persuasive, health-related communication will be included in smaller group discussions.
Instructor(s): L. Cheskin
Area: Social and Behavioral Sciences.

AS.280.375. Cultural Factor Of Public Health. 3 Credits.
This course covers influence of culture on health policy, management and practice. Also, provides background in disparities in health in the US. Guest speakers include healthcare providers, managers, and policy-makers.
Instructor(s): T. Laveist
Area: Social and Behavioral Sciences.

AS.280.380. Global Health Principles and Practices. 3 Credits.
Global health addresses the staggering global disparities in health status, drawing on epidemiology, demography, anthropology, economics, international relations and other disciplines. We review patterns of mortality, morbidity and disability in low and middle income countries, starting with malnutrition, infectious diseases and reproductive health, and continuing to an emerging agenda including mental health, injury prevention, surgical care, chronic diseases, and health impacts of climate change. Gender, health systems and health workforce challenges, and career trajectories in global health are also discussed. Recommended course background: Minimum of one prior course in Public Health.
Instructor(s): P. Winch
Area: Social and Behavioral Sciences.

AS.280.399. Community Based Learning - Practicum Community Health Care. 3 Credits.
Instructor(s): J. Goodyear; L. Bone
Area: Social and Behavioral Sciences.

AS.280.401. Alcohol, Media & Health. 3 Credits.
Students will critically examine the public health impact of alcohol marketing and assess the consequences of the resulting change in patterns of alcohol use. Gordis Teaching Fellowship course. Public Health Majors only or permission required.
Instructor(s): S. Cukier
Area: Social and Behavioral Sciences.
AS.280.402. HIV, Behavior and Society. 3 Credits.
This class will examine the behaviors associated with the HIV epidemic. We will explore the importance of behavior and context that affect the transmission, prevention, and treatment of HIV. Gordis Teaching Fellowship course. Public Health Majors only or permission required.
Instructor(s): C. Sun
Area: Social and Behavioral Sciences.

AS.280.403. Introduction to Intimate Partner Violence and Public Health. 3 Credits.
This course provides an introduction to the public health implications of intimate partner violence and the spectrum of activities used to understand and combat it - from measurement to intervention. This course will cover a variety of topics, focusing on both research and programming, including: qualitative and quantitative research methods, individual- and community-level interventions, ethical challenges, and populations of interest. Gordis Teaching Fellowship course. Public Health Majors only or permission required.
Instructor(s): A. Robinson
Area: Social and Behavioral Sciences.

AS.280.404. Immunity and Infectious Diseases of Public Health Importance. 3 Credits.
Provides an overview of innate and adaptive immunity as they relate to the control of infection and the development of treatment and vaccination strategies for pathogens of public health significance. Gordis Teaching Fellowship course.
Prerequisites: AS.020.151 AND AS.020.152 or AP Biology
Instructor(s): J. Craig
Area: Natural Sciences.

AS.280.405. Public Health and Human Rights. 3 Credits.
This course explores the links between public health and human rights, applies human rights frameworks to public health policies, and explains why the human rights have been called “The conscience of public health.” Gordis Teaching Fellowship course. Public Health Majors only or permission required.
Instructor(s): W. Davis
Area: Social and Behavioral Sciences.

How does U.S. military policy impact global and national public health? Do U.S. military missions promoted as humanitarian assistance, such as those in Africa and Afghanistan, compromise global development and independent humanitarian action programs? Did the CIA’s covert use of a vaccination program in Pakistan as cover for intelligence gathering threaten the success of global immunization campaigns? How have vaccines and drugs developed for U.S. military use benefited global public health? These topics and much more will be the focus in this seminar that explores consequences within conflict zones and the developing world, and among military personnel and veterans. Gordis Teaching Fellowship course. Juniors and Seniors Public Health Studies majors only.
Instructor(s): R. Nevin
Area: Social and Behavioral Sciences.

AS.280.407. Public Health and Disasters. 3 Credits.
This course will introduce students to the public health component of preparedness and response to common emergencies, including the public health implications of such situations and the role of public health agencies and practitioners. The course will employ an all-hazard perspective, including emerging infections, natural disasters, and terrorism. Students will understand the public health community’s role in preparing for and responding to disasters through case studies, discussion, debate, and material related to the national public health preparedness infrastructure. Juniors and seniors Public Health Studies majors only. Gordis Teaching Fellowship course. Recommended Course Background: AS.280.335
Instructor(s): N. Errett
Area: Social and Behavioral Sciences.

AS.280.408. Youth Violence Prevention: A Public Health Approach. 3 Credits.
Examines the causes, consequences, and prevention of violence committed by or against young people through a public health lens. Introduces prevailing notions about crime and punishment and shifts the discourse to encompass an ecological and developmental understanding of the problem. Media representations and other case studies of youth violence, including mass shootings, child soldiers in armed conflict, interpersonal violence, bullying, suicide, and gang violence, provide the basis for in-class, interactive analysis applying current theories. Introduces effective prevention strategies, underscoring the important role of youth leadership and advocacy to prevent violence. Juniors and seniors Public Health Studies majors only. Gordis Teaching Fellowship course. Recommended Course Background: AS.280.350
Instructor(s): J. Bottiani
Area: Social and Behavioral Sciences.

AS.280.409. Health Systems Challenges from Chronic Diseases in Low and Middle Income Countries. 3 Credits.
This course provides a multidimensional health systems approach to chronic diseases, presently the largest population health burden in low and middle income countries. Learning tools include patient interviews, in-class debates, and country case studies. Juniors and Seniors Public Health Studies majors only. Gordis Teaching Fellowship course. Recommended Course Background: AS.280.350
Instructor(s): M. Socal
Area: Social and Behavioral Sciences.

AS.280.410. Disease Detectives and the History of Epidemiology. 3 Credits.
Through a series of historical case studies we will explore the changing ideas and assumptions that have shaped our struggles to understand and improve health in the United States. Juniors and Seniors Public Health Studies majors only. Gordis Teaching Fellowship course. Recommended Course Background: AS.280.350
Instructor(s): A. Buttress
Area: Social and Behavioral Sciences.
AS.280.411. Where You Live Matters*: The Role of "Place" in Racial/Ethnic Health Disparities. 3 Credits.
This course will critically examine the impact of place of residence on health outcomes, and on racial/ethnic health disparities. This will be accomplished by examining different definitions and levels of "place", and assessing the impact of each on various health outcomes and racial/health disparities. The role of "place" will be examined in the development of interventions targeting racial/ethnic health disparities. Gordis Teaching Fellowship course.
Instructor(s): C. Bell
Area: Social and Behavioral Sciences.

AS.280.412. The HIV/AIDS Pandemic: An Enquiry Concerning Epidemiologic Understanding. 3 Credits.
Students will gain an understanding of the epidemiology of HIV/AIDS that will serve as basis for illustrating modern epidemiologic theory, methods, and practice. Topics will include a review of the natural history and pathogenesis of HIV/AIDS, the spread and current geography of the disease, contemporaneous prevention strategies, and the impact of antiretroviral therapies at the individual and population level. Throughout, a focus on the methods and mindset of epidemiologic enquiry will be emphasized. This will include how epidemiological approaches for characterizing populations, measurements, and inference can be used to build the evidence for public health action. Students will learn through critical analysis and discussion of the peer-reviewed literature coupled with evaluations using short quizzes and a final group presentation. Gordis Teaching Fellowship course.
Recommended Course Background: AS.280.345
Prerequisites: Prerequisite/Corequisite: AS.280.350
Instructor(s): P. Rebeiro
Area: Natural Sciences, Social and Behavioral Sciences.

AS.280.495. Honors in Public Health - Seminar. 3 Credits.
Using lectures, oral presentations, and writing assignments, this seminar is designed to assist Public Health Studies majors in writing a senior thesis. Students will formulate their topics, develop research skills, and address issues of professional ethics. Participating in this seminar is required for students pursuing honors in Public Health Studies. Permission Required.
Instructor(s): J. Schrack; K. Gebo
Area: Social and Behavioral Sciences
Writing Intensive.

AS.280.499. Honors in Public Health. 3 Credits.
A research methods seminar to prepare students doing honors in Public Health Studies. Permission Required.
Instructor(s): J. Schrack; K. Gebo
Area: Social and Behavioral Sciences.

AS.280.500. Applied Experience-PH. 2 Credits.
This is a supervised, hands-on experience working with public health professionals. Students will complete 80 hours of applied work and will submit a synthesizing assignment at the end of the term. Please contact your PHS Advisor for complete details. Permission Required. Public Health Majors Only.
Instructor(s): J. Goodyear; K. Gebo; L. Folda; M. Smart.

AS.280.501. Internship-Public Health. 1 Credit.
Permission Required. Public Health majors only
Instructor(s): J. Goodyear; K. Gebo; L. Folda; M. Smart.

AS.280.502. Internship-Public Health. 1 Credit.
Permission Required. S/U only.
Instructor(s): J. Goodyear; L. Folda; M. Smart.

AS.280.505. Research for Freshmen/Sophomores in Public Health. 3 Credits.
Instructor(s): J. Goodyear; K. Gebo; R. Horner; R. Pearlman.

Permission Required.
Instructor(s): J. Goodyear; K. Gebo.

AS.280.507. Independent Study-Public Health. 3 Credits.
Public Health majors only. Permission Required.
Instructor(s): J. Goodyear; R. Shingles.

AS.280.508. Independent Study-Public Health. 3 Credits.
Consult the public health studies adviser for procedure. Permission Required.
Instructor(s): J. Goodyear; K. Gebo.

AS.280.511. Research for Juniors/Seniors in Public Health. 3 Credits.
Instructor(s): Staff.

AS.280.512. Research for Juniors/Seniors in Public Health. 0 - 3 Credit.
Restricted to public health studies majors. Consult the public health studies adviser for procedure. Permission Required.
Instructor(s): J. Goodyear; K. Gebo; R. Cone; R. Pearlman; R. Shingles.

AS.280.519. Public Health Practice. 2 Credits.
Specialized training course/experience for students who have been selected to become members of the PEEPs (Preventative Education and Empowerment for Peers), a peer education group based out of the Center for Health Education and Wellness (CHEW). The experience will focus on knowledge, skill and application of college health issues including: health promotion theory, body image, sexual health, alcohol and other drugs, and stress management. Permission Required. S/U Only.
Instructor(s): B. Schubert.

AS.280.520. Public Health Practice. 0 - 2 Credit.
This course is a specialized training course/experience for students who have been selected to become members of PEEPs (Preventative Education and Empowerment for Peers), a peer education group based out of the Center for Health Education and Wellness (CHEW). The experience will focus on knowledge, skill and application of college health issues including: health promotion theory, body image, sexual health, alcohol and other drugs, and stress management. Permission Required. S/U only.
Instructor(s): B. Schubert.

AS.280.550. Special Studies: Urban Health Issues. 0 - 2 Credit.
Permission required. Student must register for this course in person only. They will need to have their add/drop slip signed by one of the PHS Academic Advisors or the Administrative Coordinator.
Area: Social and Behavioral Sciences.

AS.280.570. Internship-PH. 1 Credit.

AS.280.590. Internship-Summer. 1 Credit.
Instructor(s): J. Goodyear; K. Gebo; L. Folda; M. Smart.

AS.280.596. Independent Study-Summer. 3 Credits.
Instructor(s): J. Goodyear; M. Smart.

AS.280.597. Research for Freshmen/Sophomores in Public Health. 3 Credits.
Instructor(s): G. Ball; J. Goodyear; K. Gebo; R. Pearlman.
**Writing Intensive.**

**Area: Humanities, Social and Behavioral Sciences**

**Instructor(s): B. Morgan; L. Galambos**

**Developing Nations since 1945. Cross-listed with Public Health Studies**

The course critically examines the techniques, practices, and experiences of global health policies and programs, and explores how global health programs affect the lives of individuals and communities in diverse locations.

**AS.100.333. Global Public Health Since World War II. 3 Credits.**

Globalization has dramatically reshaped the world economy, providing great advantages to some but leaving poor nations to struggle with hunger, disease and death on a daily basis. This course explores the impact of globalization on public health in the developed and the developing nations since 1945. Cross-listed with Public Health Studies

**Instructor(s): B. Morgan; L. Galambos**

**Area: Humanities, Social and Behavioral Sciences**

**Writing Intensive.**

**Cross Listed Courses**

**Anthropology**

**AS.070.109. The Social Lives of Global Health Programs. 3 Credits.**

The course critically examines the techniques, practices, and experiences of global health policies and programs worldwide, and the effects they have on individuals, families, communities, and states. Dean's Teaching Fellowship Course

**Instructor(s): L. Reynolds**

**Area: Humanities, Social and Behavioral Sciences.**

**AS.070.306. Healing: Politics and Poetics. 3 Credits.**


**Area: Humanities, Social and Behavioral Sciences Writing Intensive.**

**AS.070.326. Bodies in Anthropology. 3 Credits.**

Area: Humanities, Social and Behavioral Sciences.

**AS.070.327. Poverty’s Life: Anthropology of Health & Economy. 3 Credits.**

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**AS.070.329. Care and Affliction in the Everyday. 3 Credits.**

How are illness, suffering, and potentials for well-being shaped through our everyday relations? In this seminar, we will explore how relations of care make and unmake lives in contexts of inequality and precariousness. We examine how a multiplicity of social ties, from kinship to neighborhood networks, articulates with institutional margins, and mediates violence, scarcity, and material realities of disease and illness.

Cross-listed with Public Health Studies

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**AS.070.396. On the Question of Drugs. 3 Credits.**

Area: Humanities, Social and Behavioral Sciences.

**History**

**AS.100.333. Global Public Health Since World War II. 3 Credits.**

Globalization has dramatically reshaped the world economy, providing great advantages to some but leaving poor nations to struggle with hunger, disease and death on a daily basis. This course explores the impact of globalization on public health in the developed and the developing nations since 1945. Cross-listed with Public Health Studies

**Instructor(s): B. Morgan; L. Galambos**

**Area: Humanities, Social and Behavioral Sciences**

**Writing Intensive.**

**AS.100.343. The Power of Place: Race and Community in East Baltimore. 3 Credits.**

**Instructor(s): M. Shell-Weiss**

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**History of Science Technology**

**AS.140.105. History of Medicine. 3 Credits.**

The history of Western medicine from the Enlightenment to the present, with emphasis on ideas, science, practices, practitioners, and institutions, and the relationship of these to the broad social context.

**Instructor(s): D. Todes**

Area: Humanities, Social and Behavioral Sciences.

**AS.140.106. History of Modern Medicine. 3 Credits.**

The history of Western medicine from the Enlightenment to the present, with emphasis on ideas, science, practices, practitioners, and institutions, and the relationship of these to the broad social context.

**Instructor(s): D. Todes**

Area: Humanities, Social and Behavioral Sciences.

**AS.140.127. History of Psychiatry: Medicine and Madness from Antiquity to the Present. 3 Credits.**

This course will examine women’s role in early modern European medicine through the reading of early modern medical texts written for or by women. The course is meant for students interested in women’s history, the history of medicine, European history.

**Instructor(s): G. Pomata**

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**AS.140.304. Medicine for and by Women in Early Modern Europe. 3 Credits.**

This course will examine women’s role in early modern European medicine through the reading of early modern medical texts written for or by women. The course is meant for students interested in women’s history, the history of medicine, European history.

**Instructor(s): G. Pomata**

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**AS.140.385. A Patient’s History of Health and Healing (1600-1750)(DTF). 3 Credits.**

This course explores themes in the history of medicine in early modern Europe from the patient’s point of view. Topics include patients’ conceptions of disease categories, articulations of suffering, use of popular medical texts, experiences of childbirth, negotiations with healers, and approaches to death. Dean’s Teaching Fellowship course

**Cross-listed with Public Health Studies**

**Instructor(s): O. Weisser**

Area: Humanities, Social and Behavioral Sciences Writing Intensive.

**AS.140.397. The Population Problem in Historical Perspective. 3 Credits.**

This course will trace the major debates over the relationship of population growth to food supply, birth control, resources, and environmental change from the 18th century to present. Cross-listed with Public Health Studies

**Instructor(s): T. Long**

Area: Humanities, Social and Behavioral Sciences.
Philosophy
AS.150.219. Introduction to Bioethics. 3 Credits.
Introduction to a wide range of moral issues arising in the biomedical fields, e.g. physician-assisted suicide, human cloning, abortion, surrogacy, and human subjects research. Cross listed with Public Health Studies.
Instructor(s): H. Bok
Area: Humanities
Writing Intensive.

AS.150.302. Topics in Bioethics: Bioethics and the Human Genome. 3 Credits.
Instructor(s): M. Lewis
Area: Humanities.

AS.150.319. Introduction to Bioethics. 3 Credits.
Introduction to a wide range of moral issues arising in the biomedical fields, e.g. physician-assisted suicide, human cloning, abortion, surrogacy, and human subjects research. Cross listed with Public Health Studies.
Instructor(s): H. Bok
Area: Humanities
Writing Intensive.

AS.190.354. Politics of Health Policy. 3 Credits.
Traces the evolution of the American Health care system, emphasis on the political forces that shape public and private provision of health care in the United States. Cross-listed with Public Health Studies.
Instructor(s): P. Longman
Area: Social and Behavioral Sciences

AS.190.405. Food Politics. 3 Credits.
This course examines the politics of food at the local, national, and global level. Topics include the politics of agricultural subsidies, struggles over genetically modified foods, government efforts at improving food safety, and issues surrounding obesity and nutrition policy. Juniors, seniors, and graduate students only. Cross-listed with Public Health Studies.
Instructor(s): A. Sheingate
Area: Social and Behavioral Sciences
Writing Intensive.

Public Policy
AS.195.477. Intro To Urban Policy. 3 Credits.
Perm. Req’d. 195.477 & 195.478 must be taken together by undergraduates Cross-listed with Political Science, Sociology, Public Health Studies, and Geography and Environmental Engineering
Instructor(s): S. Newman
Area: Social and Behavioral Sciences
Writing Intensive.

AS.195.478. Urban Policy Internship. 3 Credits.
195.478 & 195.477 must be taken together by undergraduates Cross-listed with Political Science, Sociology, Public Health Studies, and Geography and Environmental Engineering
Instructor(s): S. Newman
Writing Intensive.

Economics
AS.180.252. Economics of Discrimination. 3 Credits.
What does the empirical evidence show, and how can we explain it? How much of the difference in observed outcomes is driven by differences in productivity characteristics and how much is due to discrimination? How have economists theorized about discrimination and what methodologies can be employed to test those theories? What has been the impact of public policy in this area; how do large corporations and educational institutions respond; and what can we learn from landmark lawsuits? The course will reinforce skills relevant to all fields of applied economics, including critical evaluation of the theoretical and empirical literature, the reasoned application of statistical techniques, and analysis of current policy issues.
Prerequisites: AS.180.102
Instructor(s): B. Morgan
Area: Social and Behavioral Sciences
Writing Intensive.

AS.180.289. Economics of Health. 3 Credits.
Application of economic concepts and analysis to the health services system. Review of empirical studies of demand for health services, behavior of providers, and relationship of health services to population health levels. Discussion of current policy issues relating to financing and resource allocation.
Prerequisites: AS.180.102
Instructor(s): D. Bishai
Area: Social and Behavioral Sciences.

AS.180.390. Health Economics & Developing Countries. 3 Credits.
Prerequisites: AS.180.301
Instructor(s): M. Gersovitz
Area: Social and Behavioral Sciences
Writing Intensive.

Political Science
AS.190.354. Politics of Health Policy. 3 Credits.
Traces the evolution of the American Health care system, emphasis on the political forces that shape public and private provision of health care in the United States. Cross-listed with Public Health Studies.
Instructor(s): P. Longman
Area: Social and Behavioral Sciences.

German Romance Languages Literatures
AS.211.416. Visual Languages in Medical Knowledge. 3 Credits.
This interdisciplinary course, co-taught by professor Veena Das (Anthropology) and Research professor and filmmaker Bernadette Wegenstein (German and Romance Languages and Literatures) will track the mediation of images in the making of medical knowledge and show how sensory knowledge is incorporated or transformed in the process. Co-listed with 214.616 and 070.416
Instructor(s): B. Wegenstein; V. Das
Area: Humanities.

AS.214.616. Visual Languages in Medical Knowledge.
This interdisciplinary course, co-taught by professor Veena Das (Anthropology) and Research professor and filmmaker Bernadette Wegenstein (German and Romance Languages and Literatures) will track the mediation of images in the making of medical knowledge and show how sensory knowledge is incorporated or transformed in the process. Co-listed with 211.416 and 070.416
Instructor(s): B. Wegenstein; V. Das
Area: Humanities.
Writing Seminars

AS.220.309. Writing Healthy Baltimore. 3 Credits.
Students will explore public health issues in Baltimore and then write about them first in short pieces, and then in longer, polished works. The framework will be the mayor’s Healthy Baltimore 2015 initiative – launched in 2011 to address the city’s top-10 public health problems, including obesity, smoking, drug and alcohol abuse, STDs, cancer, and environmental health hazards. Students will study the initiative and its historical context; examine data sets; explore where and how the initiative intersects with public health practitioners and advocacy groups at the neighborhood level; and write what they learn in different formats, including essays, breaking news, and substance analysis. Students will then “workshop” each other’s papers.
Instructor(s): K. Masterson
Area: Humanities
Writing Intensive.

Sociology

AS.230.150. Issues in International Development. 3 Credits.
This course will provide an undergraduate level introduction to the study and practice, as well as the successes and failures, of international development. Students will be introduced to the various theoretical frameworks used to explain underdevelopment. Students will also explore the practice of development since the 1950s by examining specific strategies employed in Latin America, South Asia, East Asia, and Africa. Using a variety of country-specific case studies, students will have the opportunity to apply the theoretical and practical frameworks learned in the class to assess the successes and failures of real-life cases. Fulfills Economics requirement for GSCD track students only. Cross listed with International Studies (IR). Freshmen and sophomores only.
Instructor(s): R. Agarwala
Area: Social and Behavioral Sciences.

AS.230.225. Population, Health and Development. 3 Credits.
This course will cover the major world population changes in the past century as well as the contemporary situation and projections for this century. Topics include rapid population growth, the historical and continuing decline of death and birth rates, contraceptive methods as well as family planning and child survival programs, population aging, urbanization, population and the environment and the demographic effects of HIV/AIDS.
Instructor(s): S. Becker
Area: Social and Behavioral Sciences.

AS.230.240. Introduction to Environmental Sociology. 3 Credits.
The first part of the course will critically examine the major theoretical perspectives on environmental sociology including nature as a social construction, ecological marxism and ecological modernization. The second part of the course will examine key aspects of the relationship between society and the environment including risk perception, the environmental effects of economic globalization, the distribution of environmental goods and bads, population growth, environmental movements, and debates about state-led environmental protection.
Instructor(s): A. Bonini
Area: Social and Behavioral Sciences
Writing Intensive.

AS.230.303. Sociology of Disability. 3 Credits.
This course introduces students to themes within the sociology of disability by critiquing traditional notions of disability, an exploring how societal institutions influence the classification, significance, and experiences of disability. Cross-listed with Public Health Studies.
Instructor(s): C. Villenas
Area: Social and Behavioral Sciences
Writing Intensive.

AS.230.307. Sociology of Latin America. 3 Credits.
Area: Social and Behavioral Sciences.

AS.230.320. Education & Inequality: Individual, Contextual, and Policy Perspectives. 3 Credits.
Instructor(s): S. Deluca
Area: Social and Behavioral Sciences
Writing Intensive.

AS.230.324. Gender and International Development. 3 Credits.
This course employs a comparative perspective to examine the gendered impact of international development experiences and policies. Students will discuss the historical evolution of how the concept of gender has been constructed, conceptualized, and integrated into international development theory and practice. The course will also examine how greater international development. In particular, we will examine structural theories of poverty reduction, individual theories of power and processes of stratification at the household and family level. Specific issue areas will include the globalization, class and work political participation and social movements.
Instructor(s): R. Agarwala
Area: Social and Behavioral Sciences.

AS.230.341. Medical Sociology. 3 Credits.
This course introduces students to medical sociology, which is the application of the sociological perspective to health and health care. Major topics include stress, social epidemiology, and the social organization of health care. Cross-listed with Public Health Studies.
Instructor(s): E. Agree
Area: Social and Behavioral Sciences.

Earth Planetary Sciences

AS.270.107. Introduction to Sustainability. 3 Credits.
Will introduce interactions between global environment and humans, discuss meaning of sustainability, and introduce use of tools to attain sustainability such as policy, law, communication, marketing, research, advocacy, international treaties.
Instructor(s): C. Parker
Area: Natural Sciences.

AS.270.308. Population/Community Ecology. 3 Credits.
This course explores the distribution and abundance of organisms and their interactions. Topics include dynamics and regulation of populations, population interactions (competition, predation, mutualism, parasitism, herbivory), biodiversity, organization of equilibrium and non-equilibrium communities, energy flow, and nutrient cycles in ecosystems. Field trip included.
Prerequisites: AS.270.103 or permission of instructor
Instructor(s): K. Szlavecz
Area: Natural Sciences.
**AS.270.320. The Environment and Your Health. 3 Credits.**
This course surveys the basic environmental health sciences (toxicology, risk assessment), current public health issues (hazardous waste, radon, water-borne diseases) and emerging global health threats (global warming, ozone depletion, sustainability).
Instructor(s): M. Trush
Area: Natural Sciences.

**AS.270.360. Climate Change: Science & Policy. 3 Credits.**
This course will investigate the policy and scientific debate over global warming. It will review the current state of scientific knowledge about climate change, examine the potential impacts and implications of climate change, explore our options for responding to climate change, and discuss the present political debate over global warming.
Prerequisites: AS.270.103 or permission
Instructor(s): B. Zaitchik
Area: Natural Sciences.

**AS.271.107. Introduction to Sustainability. 3 Credits.**
Will introduce interactions between global environment and humans, discuss meaning of sustainability, and introduce use of tools to attain sustainability such as policy, law, communication, marketing, research, advocacy, international treaties.
Instructor(s): C. Parker
Area: Natural Sciences.

**AS.271.360. Climate Change: Science & Policy. 3 Credits.**
Prereq: 270.103 or permission of instructor. This course will investigate the policy and scientific debate over global warming. It will review the current state of scientific knowledge about climate change, examine the potential impacts and implications of climate change, explore our options for responding to climate change, and discuss the present political debate over global warming.
Instructor(s): D. Waugh
Area: Natural Sciences.

**Interdepartmental**

**AS.360.115. Discover Hopkins Health Studies: Food, Nutrition, & Public Health. 1 Credit.**
Instructor(s): S. Lee.

**AS.360.121. Discover Hopkins Health Studies. 1 Credit.**

**AS.360.258. Topics in Health, Gender and Sexuality. 3 Credits.**
Area: Social and Behavioral Sciences.

**Program in Latin American Studies**

**AS.361.322. Health, Development and Inequalities, A View from Latin America. 3 Credits.**
Social inequalities have evolved along with capitalism. The seminar explores how these historical patterns of inequalities relate to the production of health and disease, especially the situation in Latin America.
Instructor(s): C. Abadia
Area: Humanities, Social and Behavioral Sciences.

**Center for Africana Studies**

**AS.362.434. The Power of Place: Race and Community in East Baltimore. 3 Credits.**
Despite this long, rich past, much of the history of black East Baltimore has been lost, preserved only in limited fragments, in scattered repositories, or not at all. Today, the history of this neighborhood and the experiences of people who have made it home are at risk of being lost forever. Students in this class will help to change this. Focused on the “Middle East” neighborhood, nearby the site of JHU’s new biomedical park and the downtown campus, over the next fourteen weeks we will document and explore this neighborhood’s rich history from the 1920s to the present day. Collecting and analyzing oral histories with current and former residents and supporting the work of several community organizations dedicated to improving quality of life for those who make the neighborhood home today will be critical to our work. Interviews, photographs, and related material collected as part of this class will become part of the JHU Center for Africana Studies “East Baltimore Oral History Project.” As such, they will be archived and also become part of a growing resource that will assist scholars, teachers, and community members in recovering and uncovering this neighborhood’s rich past.
Cross-listed with Public Health Studies
Instructor(s): M. Hinderer
Area: Humanities, Social and Behavioral Sciences
Writing Intensive.

**Study of Women, Gender, Sexuality**

**AS.363.417. Working for Social Justice in Contemporary Urban Space (Internship/Practicum). 4 Credits.**
The Feminization of Poverty - This WGS course examines the intersection of gender and poverty in the US and internationally. Students will intern for a Baltimore-area organization that works to improve gender economic equality, and course discussions will situate student experiences in a broader framework of understanding.
Instructor(s): T. Gottbrehrt
Area: Humanities, Social and Behavioral Sciences.

**Geography Environmental Engineering**

**EN.570.108. Introduction Environmental Engineering. 3 Credits.**
Overview of environmental engineering including water/air quality issues, water supply/ wastewater treatment, hazardous/solid waste management, pollution prevention, global environmental issues, public health considerations/environmental laws, regulations and ethics.Cross listed with Public Health Studies.
Instructor(s): H. Alavi
Area: Engineering.

**EN.570.109. Environment & Society: Towards Sustainability. 3 Credits.**
An introduction to understanding sustainability, with a focus on identifying and implementing solutions for a world of increasing needs and limited resources.
Instructor(s): C. Norman
Area: Humanities, Social and Behavioral Sciences.

**EN.570.465. Water Resource Dev. 3 Credits.**
Perm. Req’d. An attempt to review utilization and development of water in diverse environments beginning with early irrigation systems revealed by archaeology including those in the Middle East, Asia, and Latin America.
Instructor(s): M. Wolman
Area: Humanities, Social and Behavioral Sciences.
Entrepreneurship and Management

EN.660.336. Community Engineering: Interdisciplinary Problem Solving-Community Based Learning. 3 Credits.

So many big and seemingly intractable problems inhibit progress and diminish quality of life especially in and around urban communities. Surely there are ways to begin to tackle some of these problems, if we approach them from a multi-disciplinary perspective. This course provides that opportunity as students, who work primarily in teams, apply theory and ingenuity to investigate problems, propose solutions or invent devices that address some of these problems. Class time is spent in lecture, discussion, and applied community projects to master content. Time will be spent participating on teams and working in community organizations in addition to class.

Area: Social and Behavioral Sciences
Writing Intensive.